PHASE I
REMEDIAL INVESTIGATION REPORT
FOR THE DIAMOND SHAMROCK
PAINESVILLE WORKS SITE

VOLUME I

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LIST OF ACRONYMS

ACO	Administrative Consent Order
ASR	Aluminum Smelting and Refining
CLP	Contract Laboratory Program
COI	Constituent of Interest
DFFO	Director's Final Findings and Orders
EM	Electromagnetic
EPA	Environmental Protection Agency
LOQ	Limit of Quantitation
MDL	Method Detection Limit
MS/MSD	Matrix Spike/Matrix Spike Duplicate
ORP	Oxidation-Reduction Potential
PCB	Polychlorinated Biphenyl
PID	Photoionization Detector
PRG	Preliminary Remediation Goal
PRP	Potentially Responsible Party
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RI	Remedial Investigation
SVOC	Semi-volatile Organic Compound
TAL	Target Analyte List
TCL	Target Compound List
TIC	Tentatively Identified Compound
TOC	Total Organic Carbon
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
VOC	Volatile Organic Compound

1.0 INTRODUCTION

The Phase I Remedial Investigation (RI) at the former Diamond Shamrock Painesville Works Site (the Site) commenced in August 1997. The Phase I RI was conducted in accordance with the *Remedial Investigation/Feasibility Study Work Plan for the Diamond Shamrock Painesville Works Site* which was approved by the Ohio Environmental Protection Agency (Ohio EPA) in August 1997. This Phase I Report will summarize the sampling activities conducted during the Phase I RI and will present the results obtained from the sampling activities.

1.1 BACKGROUND

On September 27, 1995, the Ohio EPA's Director issued a Final Findings and Orders for the Site. The Director's Final Findings and Orders (DFFO) was issued as an administrative consent order which required that a remedial investigation and feasibility study (RI/FS) be conducted at the Site. As specified in the DFFO, the RI/FS was to be conducted in accordance with the guidelines set forth in the Ohio EPA's Generic Statement of Work for the implementation of an RI/FS. A group of potentially responsible parties (the Painesville PRP Group) was formed to address the concerns of the Ohio EPA and to oversee RI/FS activities. The primary objectives of the RI/FS are to determine whether chemical constituents present at the Site pose an unacceptable risk to human health and the environment, and if remedial actions are required at the Site. In order to achieve these objectives efficiently, the Painesville PRP Group proposed to implement the RI in two phases. The Phase I RI was designed to obtain sufficient surface soil, subsurface soil, and groundwater data at the Site to complete scoping level human health and ecological risk assessments, as well as establishing off-site background concentrations. Based upon a review of the Phase I RI data, historical analytical data, scoping level risk assessments, future intended land use, and current property ownership, constituents of interest (COIs) would be selected to better focus the Phase II investigation. This phased sampling approach was described in the *Remedial Investigation/Feasibility Study Work Plan for the Diamond Shamrock Painesville Works Site* (RI/FS Work Plan) that was submitted to the Ohio EPA in August 1997.

In August 1997, the Ohio EPA approved the RI/FS Work Plan, which included a Quality Assurance Project Plan (RI/FS Work Plan, Appendix E) and a Field Sampling Plan (QAPP Appendix C) for the Phase I RI. The Phase I RI at the Site was conducted between August 25 and December 16, 1997 in accordance with the approved RI/FS Work Plan.

1.2 PURPOSE

The purpose of the Phase I RI activities at the Site was to generate validated analytical data that will be used for the following purposes:

- Evaluate surface soils, subsurface soils, groundwater, surface water, and sediment to determine if historical operations have resulted in adverse impacts to human health and the environment;
- Complete Scoping Level Human Health and Ecological Risk Assessments to focus the Phase II RI sampling and analysis program;
- Develop a list of COIs (based upon results of the scoping level risk assessments, future land use, and current property ownership), that may define potential risk to human health and the environment, which will be used to direct the Phase II RI; and

- Develop the basis of design for Phase II RI sampling activities.

The Phase II RI would then be conducted for the following purposes:

- Develop sufficient surface soil, subsurface soil, groundwater, and sediment data to complete a detailed analysis to quantify risk associated with COIs within each study area of the Site;

- Define the horizontal and vertical extent of soil, groundwater, and sediment areas that are found to represent a potential risk to human health and the environment; and

- Develop a feasible remediation program that will facilitate redevelopment of the property.

This phased approach, designed to achieve these data quality objectives in an efficient and cost-effective manner, is detailed in a work process flow chart. The flow chart, which summarizes all activities that are required to complete the RI/FS, is presented as Figure 1-1.

The flow chart organizes the project tasks into the following elements:

- Human Health and Ecological Risk Assessment

- Remedial Investigation Work Plan Tasks

- Baseline Protocols

- Feasibility Study

In order to implement a cost-effective RI, it is critical to consider the relationship between the Human Health and Ecological Risk Assessment, RI Work Plan Tasks, proposed Future Land Uses and the Baseline Protocols. These relationships, when properly defined and coordinated, establish the data quality objectives for the project that will be used to generate representative and defensible data. This data will then be used for risk assessment evaluations and to define feasible options that can be used to remediate the Site in a manner protective of human health and the environment and consistent with the proposed plan for redevelopment of the property.

The original flow chart presented in the RI Work Plan did not have a linkage between the proposed future land use of the property and the implementation of Phase II RI work. Upon review of the data obtained from the Phase I RI, the PRP Group believes that subsequent Phase II RI work and risk assessment activities can be better focused by defining future land uses for the property as part of the revised Phase II work plan. The flow chart has been modified to show the linkage between the Site redevelopment plan and the Phase II work plan development.

As shown on Figure 1-1, numerous RI/FS tasks have been completed in a manner consistent with the data quality objectives summarized above. Surface soils, subsurface soils, groundwater, surface water, and sediment have been characterized through implementing the Phase I RI and the numerous historical Site investigations. The data generated through the historical and Phase I investigations will be subjected to scoping level human health and ecological risk assessments which will result in the development of a list of COIs, which may be used to define potential risk to human health and the environment, to be further evaluated in the Phase II RI. The rationale for selection of the COIs will be discussed in the Phase II RI Work Plan which will be submitted to Ohio EPA for review and approval. Implementation of the Phase II RI will result in the collection of data which will be sufficient to define horizontal and vertical extents

of areas at which COIs have been detected. In addition to defining the extents of soil and groundwater impacts, the Grand River surface water and sediment may be further evaluated to determine the potential impacts from the Site.

After all Phase II RI data have been collected, human health and ecological risks within each study area (or subdivided study area) of the Site will be quantified based upon the intended future land use. If risk to either human health or the environment is determined to be potentially significant, remedial options will be evaluated as necessary. The appropriate remedial option will be selected, and a detailed feasibility analysis will be completed. These steps ensure that the data quality objectives for the Site have been met.

1.3 SCOPE OF WORK

The scope of work for the Phase I RI included surface and subsurface soil sampling, groundwater sampling, sediment sampling, and seep sampling (if any were identified on the banks of the Grand River). Tables 1-1 through 1-10 present summaries of the investigative and quality assurance samples collected at the Site during the Phase I RI. The locations of all of the samples discussed in this section are shown on Figure 1-2. The detailed scope of Phase I RI work, organized according to study area, is presented below.

Study Area 1

Surface soil samples were collected at 14 locations, ten soil borings were drilled, seven new monitoring wells were installed and sampled, and 18 existing monitoring wells were sampled in Study Area 1 during the Phase I RI.

The approved RI/FS Work Plan stated that seven existing monitoring wells were to be sampled during the Phase I RI. However, during early Phase I activities, three additional wells were identified on the Aluminum Smelting and Refining Company (ASR) property and eight existing monitoring wells were identified on the Dartron property. The scope of work for Study Area 1 was increased, at the request of Ohio EPA, to include sampling of all 18 existing monitoring wells, for a total of 25 groundwater samples from Study Area 1.

One duplicate and one field blank sample were collected for each medium (i.e., surface soil, subsurface soil, and groundwater). A matrix spike/matrix spike duplicate (MS/MSD) pair was also collected for each sampling medium. Table 1-2 presents a summary of the investigative and quality assurance samples collected in Study Area 1.

Study Area 2

Surface samples were collected at four locations, two soil borings were drilled, and two monitoring wells were installed and sampled. No existing monitoring wells were present in Study Area 2. One sample was collected from each of the gas sphere and railroad tank car during the Phase I RI.

In addition to the gas ball and railroad tank car samples, numerous samples were collected from other tanks and drums encountered in Study Area 2. Samples of the various waste piles were also collected. These tank, drum, and waste pile samples were collected as part of an interim remedial action investigation, as directed by the Ohio EPA, and the results of the sampling activities are presented in a separate document.

One duplicate, one field blank sample, and an MS/MSD pair were collected for each medium. Table 1-3 presents a summary of the investigative and quality assurance samples collected in Study Area 2.

Study Area 3

Four surface soil samples were collected, two soil borings were drilled, and the six existing monitoring wells located around the One Acre Landfill were sampled. Water elevations of the six existing piezometers (two outside and four inside) were measured during the Phase I RI. No modifications were made to the sampling program in Study Area 3.

Soil samples were not collected in the vicinity of the One Acre Landfill to ensure that the integrity of the cap was not impaired. As requested by Ohio EPA, the Painesville PRP Group is currently preparing an Operation and Maintenance Plan for the One Acre Landfill.

One duplicate, one field blank sample, and an MS/MSD pair were collected for each medium. Table 1-4 presents a summary of the investigative and quality assurance samples collected in Study Area 3.

Study Area 4

Nine surface soil samples were collected, nine soil borings were drilled, and two new monitoring wells were installed in Study Area 4. A total of 18 subsurface samples were collected from the nine soil borings. Three of the five planned monitoring well installations were not completed in Study Area 4. A monitoring well was not installed at SW4-3 because groundwater was not encountered at this boring. Wells were not installed at SW4-2 and SW4-5 because the saturated zone was present within the Solvay process residuals. This change in the RI/FS Work Plan was verbally approved by the Ohio EPA during field work activities. Monitoring wells were installed only at SW4-1 and SW4-4 (shown on Figure 1-2).

Soil samples were not collected from within the boundaries of the former landfill operated by the Village of Fairport Harbor (Parcel A-7 on Figure 1-2) in order to maintain the integrity of the cap.

An investigation of the banks of Study Area 4 along the Grand River was conducted to identify the presence of seeps. No seeps were identified on the banks of Study Area 4.

One duplicate, one field blank sample, and an MS/MSD pair were collected for each medium. Table 1-5 presents a summary of the investigative and quality assurance samples collected in Study Area 4.

The scope of work for Study Area 4 also included a geophysical survey to locate areas of potential drum disposal. Electromagnetic and conductivity instrumentation was used to survey the northeast portion of the study area. A complete discussion of the geophysical survey is included in Section 6.0 of this report.

Study Area 5

Four surface samples were collected, three subsurface soil samples were collected (from one soil boring), and two existing monitoring wells were sampled. A monitoring well was not installed at PB5-1 because the only saturated zone present was within the Solvay process residue encountered at approximately 16 feet below grade. This change was verbally approved by the Ohio EPA during field work. No seeps were found during an investigation to identify seeps emanating from the banks of Study Area 5 along the Grand River.

One duplicate, one field blank sample, and an MS/MSD pair were collected for each medium. Table 1-6 presents a summary of the investigative and quality assurance samples collected in Study Area 5.

Study Area 6

Nine of 10 existing monitoring wells located in Study Area 6 were sampled during the Phase I RI. The tenth well (CL6-2) was not sampled because the well did not recharge after purging the 0.2 gallons of water present in the well. The capped portion of Study Area 6 is currently being maintained in accordance with United States Environmental Protection Agency's (USEPA's) Administrative Consent Order (ACO). The ACO requires that a groundwater monitoring program, a site inspection and maintenance program, and a Grand River monitoring program be implemented until the year 2013. No surface or subsurface soil samples were collected in Study Area 6 to ensure that the integrity of the clay cap would not be damaged. No seeps were identified from the banks of Study Area 6 along the Grand River.

One duplicate, one field blank sample, and an MS/MSD pair were collected for groundwater in Study Area 6. Table 1-7 presents a summary of the investigative and quality assurance samples collected in Study Area 6.

Study Area 7

Six surface soil samples were collected, six soil borings were drilled, and three groundwater monitoring wells were installed during the Phase I RI. Two subsurface samples were collected from boring SW7-1, resulting in a total of seven subsurface samples collected. A monitoring well was not installed, as planned, at boring SW7-1 since refusal was encountered at approximately five feet below the bottom of the Solvay process residue. This change in the RI/FS Work Plan was verbally approved by the Ohio EPA in the field.

Monitoring well SW7-2 was not installed at the planned location to ensure that the clay cover of the former landfill would not be damaged. The boring and monitoring well were moved to the west side of Study Area 7, at the location shown on Figure 1-2, after receiving approval from the Ohio EPA. A surface water sample from the Grand River was collected, as requested by the Ohio EPA, at a location adjacent to the new monitoring well. No soil samples were collected from within the boundary of the landfill, which is maintained by the Painesville Township Board of Trustees.

A preliminary investigation of the banks of Study Area 7 identified the presence of five potential seeps. Further investigation resulted in the identification of four seeps at the locations shown on Figure 1-2. Samples were collected from two of the four seeps (SL3 and SL5). The remaining seeps were not sampled due to the elevated water level in the Grand River at the time of sampling, however, these seeps will be sampled as part of Phase II RI activities when the water level decreases.

One duplicate, one field blank sample, and an MS/MSD pair were collected for surface soil, subsurface soil, and water samples. Table 1-8 presents a summary of the investigative and quality assurance samples collected in Study Area 7.

Lake Erie Sediment

Four samples were collected off the shore of Lake Erie near Study Areas 1 and 2 during the Phase I RI. As stated in the RI/FS Work Plan, sediment cores were to be collected at a distance of approximately 30 feet off the shore of Lake Erie, where the water depth is approximately five feet. Two attempts were made to collect sediment samples as specified. However, due to the large number of rocks, boulders, and other debris present approximately 30 feet from the shore, it was impossible to collect sediment samples at location SD3-1. A third attempt to collect the sediment samples using a SCUBA diver was successful, and resulted in collection of the four sediment cores.

The fifth planned sediment sample, SD3-1, was not collected because the lake bottom east of SD2-2 consisted of hard clay and was covered with rocks. Sediment sampling equipment would not penetrate the clay material. The sediment samples, shown on Figure 1-2, were collected to a depth of two feet below the sediment surface.

One duplicate, one field blank sample, and an MS/MSD pair were collected for the sediment samples. Table 1-9 presents a summary of the investigative and quality assurance sediment samples.

Background

Four background soil borings were drilled in the areas surrounding the Site and are shown on Figure 1-2. Four surface soil samples and twenty subsurface soil samples were collected from the borings. These background borings were drilled at locations that did not receive waste from the Site, but where the sampling media has the same basic characteristics as the media sampled at the Site.

One MS/MSD pair was collected for the background soil samples. Table 1-10 summarizes the background soil samples collected.

Any modifications, as discussed above, made to the sampling program presented in the approved RI/FS Work Plan were made with the approval of the Painesville PRP Group and the Ohio EPA. The remaining sections of this Phase I Report will present the results of the Phase I field investigation.

2.0 SAMPLING METHODOLOGIES

This section presents the procedures followed during the collection of surface soil samples, subsurface soil samples, groundwater samples for both new and existing monitoring wells, sediment cores, and riverbank seeps. This section also presents the procedure used for the installation of new groundwater monitoring wells. All sampling activities were conducted in accordance with the methodologies detailed in the approved RI/FS Work Plan.

2.1 SOIL SAMPLING METHODOLOGIES

2.1.1 Surface Soil Samples

The following discussion describes the methods used to obtain surface soil samples for chemical and physical analyses. These procedures are valid for those locations where only surface soil samples were collected, and are in accordance with Ohio EPA, Division of Emergency and Remedial Response, Standard Operating Procedures for soil sample collection.

A stainless steel hand auger was used to collect surface soil samples to a depth of two feet. Immediately after collection, the soil was placed into a stainless steel pan with a clean disposable polyethylene scoop.

Using a clean polyethylene scoop, a representative sample from the mixing pan was transferred to the appropriate sample containers for target compound list (TCL) and target analyte list (TAL) laboratory analysis. The samples for volatile organic constituent (VOC) analysis were not mixed, but were taken from the auger and placed directly into the appropriate sample container with minimal headspace. When necessary, the appropriate quality assurance samples (field blanks, duplicates, and/or MS/MSD samples) were collected. Sampling equipment was decontaminated after sampling at each surface soil sample location, according to the decontamination procedures described in the QAPP. Remaining soil, beyond what was necessary to fill the sample and quality control bottles, was placed in 55-gallon drums for characterization.

Surface soil samples were screened with a photoionization detector (PID) at the time of sample collection to monitor for the presence of volatile constituents. Sampled material was visually inspected, lithologically described, and characterized in accordance with the Unified Soil Classification System (USCS) as defined in ASTM-D2488-84. Detailed soil descriptions were recorded on the boring logs included in Appendix A.

Field observations were recorded in the field log book and all relevant sample information was documented on the soil sampling form. The soil sampling forms, contained in Appendix B, include sample point identification and location, date and time, sample point description and any other visual or important information, sample collection equipment, container size, sample depth, and analyses requested.

At locations where soil borings were drilled and monitoring wells installed, the same techniques (described below in Section 3.1.2) used in the collection of subsurface soil samples were used to collect the surface soil samples. All surface soil samples were obtained from the ground surface to a depth of two feet.

2.1.2 Subsurface Soil Samples

A minimum of one subsurface sample was collected for laboratory analysis at each boring and new groundwater monitoring well location. This sample was either a composite sample generated from the individual discrete samples from each split spoon or a discrete sample that exhibited significantly greater evidence of VOC impacts when compared to the other discrete samples collected. Use of this approach ensured that soil samples with potential VOC impacts were not composited.

Subsurface soil samples for laboratory analysis were collected from each soil boring using split spoon techniques. Soil borings were advanced using hollow stem augers which were advanced by a truck-mounted drill rig. Continuous core samples were collected at each boring location from the ground surface to a depth equal to the unsaturated soil/groundwater interface. If the water table was not encountered, the interval between the two-foot depth and the depth of refusal was sampled. Refusal was defined as a 6-inch interval with over 50 blow counts, a total of 100 blows were applied over the entire split-spoon interval (24 inches), or there was no observed advance of the split spoon during the application of 10 successive hammer blows.

After the sample cores were brought to the surface, a PID was used to screen the entire two-foot soil column for the presence of volatile constituents. Immediately after screening with the PID, recovered material was visually inspected, lithologically described, and characterized in accordance with the USCS as guidance. This information, along with sample number, depth interval, blow count, and recovery percentage, was recorded on the boring log.

A discrete sample was collected from each split spoon for screening headspace with a PID. The portion of the two-foot split spoon selected for the discrete sample was biased toward the highest PID reading or based on visual evidence of impacts. If no PID or visual impacts were identified in a soil core, the entire two-foot core was sampled. After all of the discrete samples were collected from a soil boring and all headspace screening was completed, either a composite or discrete sample was collected for laboratory analysis.

Composite samples were generated for all but two, SW1-2, 2'-4' and SW4-2, 42-44', of the soil borings during the Phase I RI. The discrete sample collected at SW1-2 was collected from the depth interval exhibiting the highest VOC levels based on PID screening. In addition, a discrete sample was collected at SW4-2 from the 24'-44' depth interval, where significantly higher VOC levels were detected with the PID. Samples were collected from the soil core using a clean stainless steel trowel and placed into the appropriate VOC sample jars. Representative samples from the same soil-core sections (2'-4' and 42'-44') were collected and placed into the appropriate sample containers for TCL and TAL analyses.

Composite samples were collected from the remainder of the soil borings during the Phase I RI. In some cases, more than one composite sample was collected from a boring if numerous types of media (such as soil and Solvay process residuals) were present. If none of the individual discrete samples exhibited higher VOC levels, a composite sample was compiled from all of discrete samples. The individual discrete samples were transferred to a stainless steel mixing bowl for compositing. After compositing, the soil was placed into the appropriate sample containers using a stainless steel trowel.

Multiple composite samples were collected from soil borings SB4-1, SB4-4, SW4-1, SW4-2, SW4-3, SW4-5, PB5-1, and SW7-1. A layer of the Solvay process waste material was present in Study Areas 4 and 5. At the boring locations in these study areas, composite samples were collected from the soil above the Solvay waste, from the Solvay waste, and from the native material below the Solvay waste. For example, Solvay residuals were identified in boring SB4-1. Three subsurface soil composite samples were,

therefore, collected: sample SB4-1, 2-20' was collected from fill soil, sample SB4-1, 22-28' was collected from the Solvay materials, and sample SB4-1, 30-46' was collected from the native soil. One of the soil borings in Study Area 7 was collected from the center of former Waste Lake #4. Composite samples were collected from the Solvay waste material and from the native material below the Solvay waste.

Upon completion of the boring, remaining soil cuttings were drummed for characterization and disposal in accordance with applicable State and Federal solid waste management rules. Drums were labeled with the boring location. The borehole was filled with a cement/bentonite grout if the boring was not converted to a monitoring well.

2.1.3 Background Soil Samples

Five soil samples were collected from each of the four background borings shown on Figure 1-2. These samples were collected using the split spoon techniques presented in Section 2.1.2. A surface sample was collected from the zero to two-foot depth interval from each boring. Four subsurface soil samples were collected at various depth intervals from each of the soil borings. The discrete soil samples were obtained from depth intervals which represented various soil types present at each location.

2.1.4 Soil Field Measurements

In addition to the VOC screening conducted with a PID, measurements of pH and oxidation-reduction potential (ORP) were taken for surface and subsurface soil samples and sediment samples. Soil and sediment pH and ORP measurements were performed on each soil and sediment sample collected for laboratory analysis. Soil and sediment measurements for pH and ORP were conducted in accordance with SW846 Method 9045, as specified in Sections 4.1.1 and 4.1.3 of the Field Sampling Plan (FSP), which is included in the approved RI/FS Work Plan.

2.2 MONITORING WELL INSTALLATION TECHNIQUES

New monitoring wells were installed during the Phase I RI to determine groundwater quality, elevation (for flow direction and potentiometric mapping), and horizontal hydraulic gradients across the Site. All new and existing monitoring wells were surveyed to a common U.S.G.S. datum after installation of the new wells. Surface and subsurface soil samples were collected using the procedures described in Sections 3.1 and 3.2 of the FSP during monitoring well installation. The remainder of this section presents the installation and development procedures used for the construction of new monitoring wells at the Site.

2.2.1 Monitoring Well Installation

Groundwater monitoring wells were installed so that accurate measurements of aquifer properties and depth to groundwater could be obtained, and so that representative samples of groundwater could be collected for chemical analysis. Each monitoring well was installed so that it was screened within the first groundwater zone encountered in the unconsolidated sediments.

Each of the new monitoring wells were installed in borings drilled during the subsurface soil investigation. The borings were converted into monitoring wells immediately after they were drilled. Each new well was constructed of two-inch diameter flush-jointed, threaded, schedule 40 polyvinyl chloride (PVC) riser and a 10 foot section of either 0.01- or 0.02- inch slotted PVC well screen. A well-graded clean sand or gravel filter pack was placed in the annular space around the well screen and extended to two feet above each well screen.

A bentonite pellet seal, a minimum of two feet in thickness, was placed above the gravel pack with the remaining annulus sealed with a 95% Portland cement/5% bentonite grout. A protective steel casing with a locking cap was installed over each monitoring well. Each well was completed by having a four-inch thick concrete pad, approximately four square feet in size, poured around the protective casing at the base of the well. Guard posts were placed around the wells located in areas where vehicle traffic was expected.

Construction details for newly-installed monitoring wells were recorded on monitoring well construction logs. Copies of the well construction logs are included in Appendix C.

2.2.2 Monitoring Well Development

After well construction was completed, wells were left undisturbed for a minimum of 48 hours in order to allow the grout to harden. The initial step of well development consisted of measuring the depth to water and total depth of the well. Water was then evacuated from the well with a submersible pump. During development, efforts were made to evacuate standing water from the bottom of the well screen to the top of the water column to remove sediment and completely purge the well. Water was pumped until turbidity stabilized and the well was then allowed to return to equilibrium.

Pumping and equilibrium cycles were alternated until the water was clean and no additional sediment accumulated in the bottom of the well. Caution was taken to avoid excessive surging of the wells. Temperature, conductivity, pH, and turbidity were measured and recorded on the groundwater development forms. These measurements stabilized to $\pm 10\%$ over at least three successive well volumes before development was considered complete.

Development water was containerized in the on-site storage tank for characterization and disposal. After all Phase I sampling activities were completed, the development/purge water and decontamination water contained in the on-site holding tank was sampled and analyzed for a complete list of disposal parameters. Upon approval of the analytical results, the water was disposed of at the City of Painesville Water Pollution Control Plant.

Well development procedures were documented on the monitoring well development forms, which are included in Appendix D.

2.3 GROUNDWATER SAMPLING METHODOLOGIES

New and existing monitoring wells were sampled to determine groundwater quality, elevation, and horizontal hydraulic gradients in the study areas. Prior to sampling, all existing wells were evaluated for integrity, including physical damage and siltation. None of the existing wells required redevelopment due to siltation. All of the existing monitoring wells were found to be in operating condition, with the exception of monitoring well B-3 at the Dartron facility in Study Area 1. Damages to the wells are described below.

2.3.1 Well Inspection Procedures

Prior to commencement of the Phase I monitoring well sampling activities, a thorough inspection of each new or existing monitoring well and protective casing was conducted to document whether damage or tampering had occurred. The well cap and lock were also checked. Cracks in the casing seal and/or surface cement, soil washouts, and ground depressions around the well were also documented on the well integrity forms. Copies of the monitoring well inspection forms are included in Appendix E.

The three existing monitoring wells located on the Lake County Commissioners property in Study Area 1 were found to be damaged. Each well consisted of one-inch diameter PVC, and did not have protective casings. The caps were not on the wells, and the seals at the ground surface were significantly cracked or completely destroyed. These wells were operational, though, and samples were collected. In addition to the Lake County wells, two of the existing wells located on the Dartron property were found in poor condition. The protective casing for monitoring well Dartron B-2 was cracked and the cap was missing. In addition, the concrete seal was cracked. This well was functional, however, and a sample was collected. Monitoring well Dartron B-3 was found to be inoperable; the well had previously been cracked off at the ground surface. No samples were collected from Dartron B-3.

If it appeared that the existing monitoring wells had been damaged or the well cap and lock appeared to have been tampered with, a note indicating that the wells were damaged was made in the field log book. A note is also included with the analytical data contained in the Painesville Works Site Electronic Database.

2.3.2 Detection of Immiscible Liquids

Monitoring wells were investigated to determine the presence and thickness, if any, of immiscible floating and sinking layers. This was accomplished using a disposable bailer, which was lowered into each monitoring well until the water surface was encountered. Immiscible layers, which are less dense than water and float, were not detected in any of the new or existing monitoring wells. The bailer was then lowered to the bottom of each monitoring well and withdrawn, and inspected for sinking immiscible layers. No sinking immiscible layers were identified in any of the new or existing monitoring wells.

2.3.3 Well Purging and Groundwater Sampling

Groundwater samples were collected from the existing and newly installed wells. The first step of groundwater sampling procedures was the determination of groundwater elevation. Measurements of water levels were obtained using an electronic water level indicator and were recorded to within $\pm$ 0.01 ft. The volume of water present in each well was computed based on the length of the water column over the well casing diameter. The water level indicator was decontaminated before use on each well to ensure sample integrity and prevent cross contamination.

After obtaining the water level measurements and calculating the well volume, the immiscible layer inspection was conducted. Monitoring wells were then purged of at least three volumes of groundwater present in each well, or until the well was purged dry. A variable speed submersible pump or a disposable bailer was used for purging. During well purging, measurements of pH, specific conductance, temperature, and turbidity were recorded. The field measurements were considered stable when the pH readings were within $\pm$ 0.2 units, temperature was within $\pm$1.0°C, and specific conductivity was within $\pm$10 percent over three successive well volumes. Purging was completed once the measurements stabilized. The purge pump was decontaminated before use on each well to ensure sample integrity and prevent cross contamination.

Once purging was completed and the well was allowed to recharge, a disposable PVC bailer was used to collect the groundwater samples. A sufficient amount of groundwater was collected to perform the required analyses. Sample collection was completed in the following manner: the sample fraction for organic constituents was collected first (volatiles first, direct from the bailer to the bottles, then semi-volatiles), followed by the sample fraction for inorganic constituents.

Data collected during the groundwater sampling program were recorded on the groundwater sample collection record form (included in Appendix F) which includes information on water level, well purging,

and results for pH, specific conductance, temperature, and turbidity. The form was also used to record any additional comments or observations noted during sample collection. Data was recorded in the field at the time of measurement.

2.3.4 Filtration of Groundwater Samples

Groundwater samples collected for dissolved TAL metals analysis were filtered on-site promptly after collection using 0.45 micron polycarbonate filter. Filtering equipment included transfer bottle, peristaltic pump and tubing, filter, and sample container bottle. Disposable filters and disposable tubing were used for each well. When a sample contained a significant amount of sediment, a pre-filter was used to prevent clogging of the 0.45 micron filter. The required volume of groundwater was filtered and collected in the appropriate sample containers.

Filters and tubing were disposed of and the peristaltic pump was decontaminated prior to filtering of the next sample. Collected samples were stored in the field in a refrigerator and maintained at 4°C.

2.4 SEDIMENT CORES

Sediment cores were collected to characterize Lake Erie sediments. Sediment samples were collected by a certified SCUBA diver using a two-foot core sampler fitted with a sediment core catcher and hammer attachment. A motor boat was used to access the sample locations.

The two-foot core sampler was prepared by placing a plastic sleeve inside the core. The sleeve was held in place by the coring tip of the sampler. After preparation of the sampling apparatus, the diver went into the water to collect the sediment sample. The depth from the water surface to the sediment was measured and recorded while the diver collected the two-foot sediment core. After a two-foot sediment core was obtained, the plastic sleeve was removed, capped at both ends, and labeled with the sample location. The boat was then moved to the next sampling location.

After all sediment cores were collected, each sample was individually transferred to a large mixing bowl. A decontaminated trowel was used to transfer the sediment from the mixing bowl to the appropriate sample containers. This procedure was followed for all four sediment samples. Sediment sampling information was documented on sediment sampling forms, which are included in Appendix G.

2.5 SEEP SAMPLES

Seeps emanating from the banks of Study Area 7 along the Grand River were collected from four locations. Using a clean, stainless steel trowel, a small trench or hole was dug at the seep location to allow collection of enough water to fill the appropriate sample containers. After a sufficient volume of water collected in the trench, a sample collection jar was placed in the trench. The water was then transferred from the collection jar to the appropriate sample containers. The volatile portion of the sample was collected first, followed by the semivolatile and inorganic fractions. Measurements of pH, specific conductivity, and ORP were taken and recorded on the seep sampling forms (included in Appendix H).

All samples obtained during the Phase I RI were collected in accordance with the QAPP and FSP, which are contained in the approved RI/FS Work Plan. Chain of custody forms for the samples are presented in Appendix I.

3.0 PRESENTATION OF LABORATORY ANALYTICAL RESULTS

3.1 PHASE I ANALYTICAL PROGRAM

The surface and subsurface soil samples and sediment samples collected during Phase I of the RI were analyzed in a laboratory, according to Section 9.0 of the QAPP, for the following parameters:

- Contract Laboratory Program (CLP) TCL VOCs;
- CLP TCL semi-volatile organic compounds (SVOCs);
- CLP TCL pesticides and polychlorinated biphenyls (PCBs);
- TAL metals (which, by definition include cyanide);
- Hexavalent chromium; and
- Total organic carbon (TOC).

Soil samples collected in Study Areas 1, 2, 4, and 5 were also analyzed for asbestos.

The groundwater and seep samples collected during Phase I of the RI were analyzed in the laboratory for TCL VOCs, SVOCs, pesticides, PCBs, TAL metals (which include cyanide), and hexavalent chromium using the methods specified in Section 9.0 of the QAPP. Analysis of TAL metals was performed on samples filtered in the field, and the results are reported as dissolved metals.

All of the analytical parameters and the Ohio EPA-approved quantitation limits are listed in Tables 9-2 through 9-6 of the QAPP. These tables are included in Appendix J.

3.2 LABORATORY ANALYTICAL RESULTS

All of the Phase I RI laboratory analytical results have been imported electronically into the Painesville Works Site Electronic Database. The database includes all available historic sampling data as well as the current Phase I RI data. Water elevation data for the Study Area 3 monitoring wells and piezometers are also included. In order to eliminate numerous volumes of laboratory data paper-work associated with this document, database tables summarizing the Phase I analytical results contained in the database have been prepared. The database tables, rather than the hard copies of laboratory analytical reports, are included in Appendix J of this report. The Ohio EPA will be provided with one copy of the actual laboratory reports to be incorporated into the Site file. The database tables are presented in Appendix J, in the following order:

- Study Area 7 soil analytical results;
- Study Area 7 groundwater and seep analytical results;
- Study Area 3 soil and groundwater analytical results and water elevation data;
- Study Area 5 soil and groundwater analytical results;
- Study Area 2 soil and groundwater analytical results;
- Study Area 4 soil and groundwater analytical results;
- Study Area 1 surface soil analytical results;
- Study Area 1 subsurface soil analytical results;
- Study Area 1 groundwater analytical results;
- Study Area 6 groundwater analytical results;
- Lake Erie sediment analytical results; and
- Background soil analytical results.

The prioritization for the study area analytical data presentation will be discussed in Section 5.0 of this report.

3.3 DESCRIPTION OF LABORATORY ANALYTICAL DATA

The database tables included in Appendix J include a column ("E, J, N Value") for laboratory qualifiers. To assist in the review of the laboratory analytical results, descriptions of the qualifiers associated with the Phase I RI data are presented below.

Analytical laboratory personnel reviewed all data to ensure data quality assurance and quality control (QA/QC) objectives were met. In addition, an independent contractor specializing in data QA/QC issues analyzed ten percent of the analytical data to provide an additional QA/QC check. This data validation report was previously submitted to Ohio EPA.

The following is a list of descriptions for the qualifiers used for the organic analytes:

- B Analyte was detected in the associated method blank;
- C Pesticide result was confirmed with gas chromatography/mass spectrometry;
- D Compound was quantitated on a diluted sample;
- E Concentration exceeded the calibration range of the instrument;
- J Result is an estimated value (between the method detection limit and the Ohio EPA-approved limit of quantitation (LOQ));
- P Concentration difference between primary and confirmation columns was greater than 25 percent;
- U Compound was not detected; and
- X The analytical result is discussed in the case narrative.

The following list provides descriptions for the inorganic data qualifiers:

- B Value is less than the contract-required detection limit; but greater than or equal to the instrument detection limit;
- E Value is estimated due to interference;
- N Spike sample not within control limits; and
- * Duplicate analysis not within control limits.

The laboratory was required to analyze samples for those constituents listed on the tables included in Appendix J. However, additional organic constituents detected by the laboratory instrument and represented as peaks on the chromatograms for the VOC and SVOC analyses are reported. The laboratory identifies the 30 highest peaks, and considers these analytes tentatively identified compounds (TICs). Since the analytical results for these compounds are estimated, each of the results include a "J" qualifier.

4.0 SOIL BACKGROUND CONDITIONS

Concentrations of metals that are present naturally in the earth's crust are typically called "background" concentrations. Consistent with USEPA (1989a) guidance, if the concentration of a metal in a particular medium does not exceed background concentrations in media "native to the property," the metal should not be quantitatively evaluated in a risk assessment. In order to define background conditions for the Site, samples were collected from areas surrounding the Site which were unaffected by historical Site activities and did not receive waste from the Site. The four background sampling locations are shown on Figure 1-2.

Twenty background soil samples were collected during the Phase I RI at the Site from borings completed to the water table or to bedrock, whichever was reached first. One surface soil sample was collected at the zero to two-foot depth interval from each soil boring. Four additional samples were collected from each boring at depths representing differences in subsurface soil. Three general categories of soil were identified during the Phase I RI. Silty clay with slight plasticity was identified between depths of four and eight feet below grade and between 22 and 40 feet below grade. Silty clay with medium plasticity was encountered between 10 and 26 feet below grade. Finally, silty sand and gravel was often encountered between four and 16 feet below grade. The 20 background soil samples collected from these soil types were analyzed for chemical constituents in accordance with the analytical program presented in Section 3.1 of this report.

Background concentrations were calculated for inorganic constituents in surface soil and in each soil type identified at depth. The background concentration for each metal was determined by calculating the mean concentration plus two standard deviations. Surface and subsurface soil background concentrations for inorganic constituents are presented in Table 4-1.

The background soil concentrations will be used as an evaluation tool in scoping level human health and ecological risk assessments that will be conducted during the development of the Phase II RI Work Plan. Soil analytical data that are greater than background concentrations will be further evaluated in the scoping level risk assessments. These scoping level risk assessments, along with future land use and property ownership considerations, will be reviewed in the development of a list of COIs which will be further evaluated in the Phase II RI.

5.0 PRESENTATION OF PHASE I RI DATA

This section presents a summary of the analytical data obtained for the samples collected during the Phase I RI at the Site. The study areas have been prioritized from lowest to highest concern (i.e., least amount of exceedances to greatest number of exceedances). The rationale for the area prioritization is summarized in Section 5.1.

5.1 PRIORITIZATION OF AREAS

The study areas have been prioritized according to their potential for further investigation, as suggested by the number of USEPA Region IX Residential Preliminary Remediation Goals (PRGs) that are exceeded. Although Study Area 6 has not been included in the prioritization due to existing institutional controls, groundwater from the study area will be evaluated as part of the site-wide groundwater study to be performed in Phase II of the RI. Lake Erie sediment and Grand River surface water were also not included in the prioritization. The study areas have been prioritized as follows:

- Study Area 7: Study Area 7 consists mostly of the former Settling Basin 4, which appears to be homogeneous in nature. In addition, the municipal landfill within Study Area 7 is covered with approximately two feet of soil. Study Area 7 also contains three impoundments, which have been or currently are used for the storage of oil field brine. Study Area 7 will likely be subdivided in order to better focus Phase II RI activities. Metals were detected in both surface and subsurface soils above the residential Region IX PRGs, and SVOCs and pesticides were detected in surface soil above the residential Region IX PRGs. Metals, VOCs, and pesticides were detected in groundwater samples collected in Study Area 7.

- Study Area 3: Study Area 3 has little potential for further investigation since no industrial activities were conducted in the past, and since the One Acre Landfill is completely contained. Metals and SVOCs were detected above residential Region IX PRGs in surface soil, and metals were detected above residential Region IX PRGs in subsurface soil. Metals, SVOCs, and VOCs were detected in groundwater samples collected in Study Area 3.

- Study Area 5: Study Area 5 is the portion of the Site formerly used as the Hydroretention Basin. The area received homogeneous materials from on-site manufacturing processes and, following plant closure, was covered with debris from the demolition of the main plant area, followed by a two-foot thick clay cover. Metals and SVOCs were detected above the residential Region IX PRGs in surface and subsurface soils, and PCBs were detected in one surface soil sample. Metals, SVOCs, VOCs, and pesticides were detected in groundwater samples collected within Study Area 5.

- Study Area 2: Analytical results for samples collected in Study Area 2 indicate that the nature of contaminants is nonhomogeneous, and that further characterization is required. In addition, the existing condition of the property (i.e., partially demolished buildings, tanks containing materials, etc.) warrants further investigation. Metals and SVOCs were detected above residential Region IX PRGs in both surface and subsurface soils. Metals and SVOCs were detected in groundwater samples collected in Study Area 2.

- Study Area 4: Study Area 4 will require further investigation since high concentrations of VOCs, chromium, and hexavalent chromium were detected in subsurface soil in isolated areas. Metals and SVOCs were detected above residential Region IX PRGs in surface soil. Metals, SVOCs, and VOCs were detected above residential Region IX PRGs in subsurface soil. Metals, SVOCs, and VOCs were detected in groundwater samples collected in Study Area 4. In order to better focus the Phase II RI activities, Study Area 4 will likely be subdivided during the development of the Phase II RI Work Plan.

- Study Area 1: Manufacturing facilities, buildings, equipment, and utilities (including transformers and electrical switch gear) were removed from a large part of Study Area 1 after Diamond Shamrock operations discontinued. Study Area 1 sewers were plugged, abandoned, and replaced. A portion of Study Area 1 was then capped with clay and revegetated. This work was done before the DFFO was signed. Analytical results for samples collected within Study Area 1, however, have indicated the presence of widespread impacts due to the various types of industrial activities. Study Area 1 will likely be subdivided based on existing industrial use and types of impacts to focus Phase II RI activities. Metals and SVOCs were detected above residential Region IX PRGs in both surface and subsurface soils, and PCBs were detected above Region IX PRGs in surface soil. Metals, SVOCs, VOCs, pesticides, and PCBs were detected in groundwater samples collected in Study Area 1.

5.2 PRESENTATION OF RESULTS

Surface and subsurface analytical data for sampled collected during the Phase I RI have been compared to the Region IX residential PRGs. Surface and subsurface analytical results greater than the Region IX residential PRGs are presented in Tables 5-1 and 5-2, respectively. The PRGs shown in italics print are noncarcinogenic PRGs which have been multiplied by a factor of 0.1, according to Ohio EPA guidance, to account for potential cumulative effects due to exposure to multiple chemicals.

Table 5-3 presents the groundwater analytical results greater than Region IX Tap Water PRGs. Numerous chemicals do not currently have a Region IX Tap Water PRG and, therefore, the analytical result above the analytical method detection limit (MDL) is shown. The PRGs shown in italics print are noncarcinogenic PRGs which have been multiplied by a factor of 0.1.

Lake Erie sediment sample analytical results greater than the Region IX residential soil PRGs are presented in Table 5-4. The PRGs shown in italics print are noncarcinogenic PRGs which have been multiplied by a factor of 0.1.

Analytical results for the two river bank seep samples which are above the MDLs are presented in Table 5-5. Table 5-6 presents the analytical results for the Grand River surface water sample that are above the MDLs. Note that "Chromium" identified in Tables 5-1 through 5-6 represents total chromium. Also, the PRG for naphthalene was used as a surrogate PRG for 1-methylnaphthalene and 2-methylnaphthalene.

Figure 5-1 presents analytical data for selected compounds. The analytical data presented on this figure, along with the remaining Phase I RI analytical data and historical analytical data, will be subjected to scoping level human health and ecological risk assessments. These risk assessments, along with historical site information, future land use, and property ownership, will be used to focus the parameters for further

investigation in Phase II of the RI. The scoping level risk assessments will be included in the revised Phase II RI Work Plan.

6.0 GEOPHYSICAL SURVEY OF STUDY AREA 4

This section will summarize the geophysical survey conducted in a portion of Study Area 4 during the Phase I RI. A complete documentation report of the survey is contained in Appendix M.

6.1 PURPOSE

As required by the RI/FS Work Plan for the Site, a geophysical investigation of a portion of Study Area 4 was conducted during the Phase I RI. The investigation was conducted in order to identify locations at which drums were potentially buried. Berkshire Environmental Incorporated (Berkshire) was contracted to perform the geophysical survey, which included both electromagnetic induction and magnetic exploration, over the portion of Study Area 4 shown on Figure 6-1. Both electromagnetic induction and magnetic exploration are non-intrusive techniques.

6.2 SCOPE OF WORK

The geophysical survey was conducted over a 50-foot by 50-foot grid shown on Figure 6-1. Electromagnetic induction and magnetic gradient readings were obtained at each grid station. Electromagnetic (EM) induction is a geophysical technique implemented to obtain electrical conductivity variations over the specified area. An alternating magnetic field is generated with the EM method. This magnetic field causes eddy currents to flow through conductive materials and produce a secondary magnetic field. Ground conductivity readings are obtained by comparing the primary and secondary magnetic fields. These readings are sensitive to buried metal, soil changes, clay or ash layers, changes in dissolved ion concentrations, and subsurface saturation. In-phase data, which are a component of the secondary EM field and responsive to both ferrous and non-ferrous material, were also obtained.

In addition to the EM induction survey, magnetic exploration was also used to identify potentially buried ferromagnetic objects or materials causing localized changes in the Earth's magnetic field. A magnetometer was used to record the natural magnetic field of the Earth, and to map the locations of any potentially buried objects. The presence of buried ferromagnetic objects causes the Earth's natural magnetic field to alter in magnitude and direction, creating magnetic anomalies which are detected by the magnetometer. Additional information regarding the theory and instrumentation for the geophysical survey are provided in the documentation report, *Integrated Geophysical Investigation at the Painesville Works Site, Painesville, Ohio,* prepared by Berkshire, included in Appendix M.

6.3 CONCLUSIONS

Ground conductivity, in-phase, and magnetic gradient contour maps for the data obtained during the survey are included in Appendix M. Both the in-phase and magnetic gradient contour maps present the locations of interpreted negative and positive anomalous responses. The negative anomalous responses on the in-phase interpretation map (Figure 7 of the documentation report) are typically indicative of buried metal objects. Two of the negative responses are present at the same locations at which a negative-positive dipole is shown on the magnetic gradient map (Figure 8 of the documentation report). These dipoles also typically indicate buried metal. The results of the geophysical survey, therefore, indicate that potential for buried metal objects exists at two locations (coordinates 300,950 and 800,1150). These two locations are shown on Figure 6-1.

TABLE 1-1
SUMMARY OF PHASE I INVESTIGATIVE AND QUALITY ASSURANCE SAMPLES
PAINESVILLE WORKS SITE

Sample Matrix	Field Parameters	Chemical Parameters	Number of Samples	Duplicate	Field Blank	Trip Blank(C)	MS/MSD	Replicate	Matrix Total
Surface Soils	--	TAL Metals (d)	45	6	6	--	7	--	64
	--	Cyanide	45	6	6	--	7	--	64
	--	Asbestos	31	4	0	--	4	--	39
	--	TCL VOCs	45	6	6	7	7	--	71
	--	TCL SVOCs	45	6	6	--	7	--	64
	--	TCL PCBs	45	6	6	--	7	--	64
	--	TCL Pesticides	45	6	6	--	6	--	63
	--	Total Organic Carbon	45	6	6	--	1	--	58
	pH	--	45	--	--	--	--	6	51
	ORP	--	45	--	--	--	--	6	51
Subsurface Soils	--	TAL Metals (d)	57	6	6	--	6	--	75
	--	Cyanide	57	6	6	--	6	--	75
	--	Asbestos	32	4	0	--	4	--	40
	--	TCL VOCs	58	6	6	7	6	--	83
	--	TCL SVOCs	57	6	6	--	6	--	75
	--	TCL PCBs	57	6	6	--	6	--	75
	--	TCL Pesticides	57	6	6	--	6	--	75
	--	Total Organic Carbon	57	6	6	--	0	--	69
	pH	--	57	--	--	--	--	6	63
	ORP	--	57	--	--	--	--	6	63
Groundwater (a)	--	TAL Metals (b,d)	52	7	7	--	7	--	73
	--	Cyanide	52	7	7	--	7	--	73
	--	TCL VOCs	52	7	7	6	7	--	79
	--	TCL SVOCs	52	7	7	--	7	--	73
	--	TCL PCBs	52	7	7	--	7	--	73
	--	TCL Pesticides	52	7	7	--	7	--	73
	pH	--	52	--	--	--	--	7	59
	ORP	--	52	--	--	--	--	7	40
	Specific Conductance	--	52	--	--	--	--	7	59
	Temperature	--	52	--	--	--	--	7	59
	Turbidity	--	52	--	--	--	--	7	59
Lake Erie Sediment	--	TAL Metals (d)	4	1	1	--	1	--	7
	--	Cyanide	4	1	1	--	1	--	7
	--	TCL VOCs	4	1	1	1	1	--	8
	--	TCL SVOCs	4	1	1	--	1	--	7
	--	TCL PCBs	4	1	1	--	1	--	7
	--	TCL Pesticides	4	1	1	--	1	--	7
	--	Total Organic Carbon	4	1	1	--	0	--	6

(a)- Field parameters for groundwater will be measured during well purging.
One round of perched groundwater samples will be collected during Phase I.
(b) - Dissolved metals
(c) - One trip blank per cooler. A minimum of one trip blank for each matrix for each study area was analyzed. A total of 101 trip blanks, for 101 coolers were analyzed.
(d) - TAL Metals includes hexavalent chromium.

TABLE 1-2
STUDY AREA 1 INVESTIGATIVE AND QUALITY ASSURANCE SAMPLES
PAINESVILLE WORKS SITE

Sample Matrix and Identifications			Field Parameters	Chemical Parameters	Number of Samples	Duplicate	Field Blank	Trip Blank (C)	MS/MSD	Replicate	Matrix Total
Surface Soils			--	TAL Metals	14	1	1	--	1	--	17
SB1-1, 0-2'	*SW1-3, 0-2'*		--	Cyanide	14	1	1	--	1	--	17
SB1-2, 0-2'	*SW1-4, 0-2'*		--	Asbestos	14	1	0	--	1	--	16
SB1-3, 0-2'	*SW1-5, 0-2'*		--	TCL VOCs	14	1	1	1	1	--	18
SB1-4	*SW1-6, 0-2'*		--	TCL SVOCs	14	1	1	--	1	--	17
SB1-5	*SW1-7, 0-2'*		--	TCL PCBs	14	1	1	--	1	--	17
SB1-6	*DUPLICATE 8 (SW1-4,0-2')*		--	TCL Pesticides	14	1	1	--	1	--	17
SB1-7	*SW1-6, 0-2' FIELD BLANK (FB)*		--	Total Organic Carbon	14	1	1	--	0	--	16
SW1-1, 0-2'	*SW1-3, 0-2' MS/MSD*		pH	--	14	--	--	--	--	1	15
SW1-2, 0-2'			ORP	--	14	--	--	--	--	1	15
Subsurface Soils			--	TAL Metals	10	1	1	--	1	--	13
SB1-1, 2-65'	*SW1-7, 2-36'*		--	Cyanide	10	1	1	--	1	--	13
SB1-2, 2-74'	*DUPLICATE 7 (SB1-2, 2-74')*		--	Asbestos	10	1	0	--	1	--	12
SB1-3, 2-71'	*SW1-3, 4-6' FB*		--	TCL VOCs	10	1	1	1	1	--	14
SW1-1, 2-40'	*SB1-2, 2-74 MS/MSD*		--	TCL SVOCs	10	1	1	--	1	--	13
SW1-2, 2-4'			--	TCL PCBs	10	1	1	--	1	--	13
SW1-3, 2-36'			--	TCL Pesticides	10	1	1	--	1	--	13
SW1-4, 2-42'			--	Total Organic Carbon	10	1	1	--	0	--	12
SW1-5, 2-40'			pH	--	10	--	--	--	--	1	11
SW1-6, 2-20'			ORP	--	10	--	--	--	--	1	11
Groundwater (a)			--	TAL Metals (b)	25	1	1	--	1	--	28
ASRMW1	*SW1-1*	*DARTB-1(MWB-1)*	--	Cyanide	25	1	1	--	1	--	28
ASRMW2	*SW1-2*	*DARTB-2(MWB-2)*	--	TCL VOCs	25	1	1	1	1	--	29
ASRMW3	*SW1-3*	*DARTB-4(MWB-4)*	--	TCL SVOCs	25	1	1	--	1	--	28
ASRMW4	*SW1-4*	*DARTB-5(MWB-5)*	--	TCL PCBs	25	1	1	--	1	--	28
ASRMW5	*SW1-5*	*DARTB-6(MWB-6)*	--	TCL Pesticides	25	1	1	--	1	--	28
ASRMW8	*SW1-6*	*DART47(MW-47)*	pH	--	25	--	--	--	--	1	26
LC1-1	*SW1-7*	*DART49(MW-49)*	ORP	--	25	--	--	--	--	1	26
LC1-2	*DART40(MW-40)*	*ASRMW4 FB*	Specific Conductance	--	25	--	--	--	--	1	26
LC1-3	*GWDUP1 (ASRMW4)*		Temperature	--	25	--	--	--	--	1	26
CL1-1	*ASRMW1 MS/MSD*		Turbidity	--	25	--	--	--	--	1	26

(a) - Field parameters for groundwater will be measured during well purging.
One round of perched groundwater samples will be collected during Phase I.
(b) - Dissolved metals
(c) - One trip blank per cooler

TABLE 1-3
STUDY AREA 2 INVESTIGATIVE AND QUALITY ASSURANCE SAMPLES
PAINESVILLE WORKS SITE

Sample Matrix and Identifications	Field Parameters	Chemical Parameters	Number of Samples	Duplicate	Field Blank	Trip Blank (C)	MS/MSD	Replicate	Matrix Total
Surface Soils	--	TAL Metals	4	1	1	--	1	--	7
SS2-1	--	Cyanide	4	1	1	--	1	--	7
SS2-2	--	Asbestos	4	1	0	--	1	--	6
SW2-1, 0-2'	--	TCL VOCs	4	1	1	1	1	--	8
SW2-2, 0-2'	--	TCL SVOCs	4	1	1	--	1	--	7
DUPLICATE 1 (SS2-2)	--	TCL PCBs	4	1	1	--	1	--	7
SS2-2 FB	--	TCL Pesticides	4	1	1	--	1	--	7
SS2-1 MS/MSD	--	Total Organic Carbon	4	1	1	--	0	--	6
	pH	--	4	--	--	--	--	1	5
	ORP	--	4	--	--	--	--	1	5
Subsurface Soils	--	TAL Metals	2	1	1	--	1	--	5
SW2-1, 2-42'	--	Cyanide	2	1	1	--	1	--	5
SW2-2, 2-34'	--	Asbestos	2	1	0	--	1	--	4
DUPLICATE 12 (SW2-1, 2-42')	--	TCL VOCs	2	1	1	1	1	--	6
SW2-1, 20-22' FB	--	TCL SVOCs	2	1	1	--	1	--	5
SW2-2, 2-34' MS/MSD	--	TCL PCBs	2	1	1	--	1	--	5
	--	TCL Pesticides	2	1	1	--	1	--	5
	--	Total Organic Carbon	2	1	1	--	0	--	4
	pH	--	2	--	--	--	--	1	3
	ORP	--	2	--	--	--	--	1	3
Groundwater (a)	--	TAL Metals (b)	2	1	1	--	1	--	5
SW2-1	--	Cyanide	2	1	1	--	1	--	5
SW2-2	--	TCL VOCs	2	1	1	1	1	--	6
GWDUP5 (SW2-1)	--	TCL SVOCs	2	1	1	--	1	--	5
SW2-1 FB	--	TCL PCBs	2	1	1	--	1	--	5
SW2-2 MS/MSD	--	TCL Pesticides	2	1	1	--	1	--	5
	pH	--	2	--	--	--	--	1	3
	ORP	--	2	--	--	--	--	1	3
	Specific Conductance	--	2	--	--	--	--	1	3
	Temperature	--	2	--	--	--	--	1	3
	Turbidity	--	2	--	--	--	--	1	3

(a) - Field parameters for groundwater will be measured during well purging.
One round of perched groundwater samples will be collected during Phase I.
(b) - Dissolved metals
(c) - One trip blank per cooler

TABLE 1-4
STUDY AREA 3 INVESTIGATIVE AND QUALITY ASSURANCE SAMPLES
PAINESVILLE WORKS SITE

Sample Matrix and Identifications	Field Parameters	Chemical Parameters	Number of Samples	Duplicate	Field Blank	Trip Blank (C)	MS/MSD	Replicate	Matrix Total
Surface Soils	--	TAL Metals	4	1	1	--	1	--	7
SS3-1	--	Cyanide	4	1	1	--	1	--	7
SS3-2	--	TCL VOCs	4	1	1	1	1	--	8
SB3-1, 0-2'	--	TCL SVOCs	4	1	1	--	1	--	7
SB3-2, 0-2'	--	TCL PCBs	4	1	1	--	1	--	7
DUPLICATE 9 (SB3-2, 0-2')	--	TCL Pesticides	4	1	1	--	1	--	7
SB3-1, 0-2' FB	--	Total Organic Carbon	4	1	1	--	0	--	6
SB3-2, 0-2' MS/MSD	pH	--	4	--	--	--	--	1	5
	ORP	--	4	--	--	--	--	1	5
Subsurface Soils	--	TAL Metals	2	1	1	--	1	--	5
SB3-1, 2-34'	--	Cyanide	2	1	1	--	1	--	5
SB3-2, 2-40'	--	TCL VOCs	2	1	1	1	1	--	6
DUPLICATE 11 (SB3-1, 2-34')	--	TCL SVOCs	2	1	1	--	1	--	5
SB3-2, 22-24' FB	--	TCL PCBs	2	1	1	--	1	--	5
SB3-1, 2-34' MS/MSD	--	TCL Pesticides	2	1	1	--	1	--	5
	--	Total Organic Carbon	2	1	1	--	0	--	4
	pH	--	2	--	--	--	--	1	3
	ORP	--	2	--	--	--	--	1	3
Groundwater (a)	--	TAL Metals (b)	6	1	1	--	1	--	9
CL3-1	--	Cyanide	6	1	1	--	1	--	9
CL3-2	--	TCL VOCs	6	1	1	1	1	--	10
CL3-3	--	TCL SVOCs	6	1	1	--	1	--	9
CL3-4	--	TCL PCBs	6	1	1	--	1	--	9
CL3-5	--	TCL Pesticides	6	1	1	--	1	--	9
CL3-6	pH	--	6	--	--	--	--	1	7
GWDUP2 (CL3-1)	ORP	--	6	--	--	--	--	1	7
CL3-6 FB	Specific Conductance	--	6	--	--	--	--	1	7
CL3-2 MS/MSD	Temperature	--	6	--	--	--	--	1	7
	Turbidity	--	6	--	--	--	--	1	7

(a) - Field parameters for groundwater will be measured during well purging.
One round of perched groundwater samples will be collected during Phase I.
(b) - Dissolved metals
(c) - One trip blank per cooler

TABLE 1-5
STUDY AREA 4 INVESTIGATIVE AND QUALITY ASSURANCE SAMPLES
PAINESVILLE WORKS SITE

Sample Matrix and Identifications	Field Parameters	Chemical Parameters	Number of Samples	Duplicate	Field Blank	Trip Blank (C)	MS/MSD	Replicate	Matrix Total
Surface Soils	--	TAL Metals	9	1	1	--	1	--	12
SB4-1, 0-2' DUPLICATE 5 (SW4-4, 0-2')	--	Cyanide	9	1	1	--	1	--	12
SB4-2, 0-2' SW4-3, 0-2' FB	--	Asbestos	9	1	0	--	1	--	11
SB4-3, 0-2' SB4-2, 0-2' MS/MSD	--	TCL VOCs	9	1	1	1	1	--	13
SB4-4, 0-2'	--	TCL SVOCs	9	1	1	--	1	--	12
SW4-1, 0-2'	--	TCL PCBs	9	1	1	--	1	--	12
SW4-2, 0-2'	--	TCL Pesticides	9	1	1	--	1	--	12
SW4-3, 0-2'	--	Total Organic Carbon	9	1	1		0	--	11
SW4-4, 0-2'	pH	--	9	--	--	--	--	1	10
SW4-5, 0-2'	ORP	--	9	--	--	--	--	1	10
Subsurface Soils	--	TAL Metals	17	1	1	--	1	--	20
SB4-1, 2-20' SW4-2, 2-48' SW4-5, 8-23'	--	Cyanide	17	1	1	--	1	--	20
SB4-1, 22-28' SW4-2, 48-53' SW4-5, 23-26'	--	Asbestos	17	1	0	--	1	--	19
SB4-1, 30-46' SW4-2, 42-44' (VOCs)	--	TCL VOCs	18	1	1	1	1	--	22
SB4-2, 2-39' SW4-3, 2-14' SW4-3, 20-22' FB	--	TCL SVOCs	17	1	1	--	1	--	20
SB4-3, 2-42' SW4-3, 14-45'	--	TCL PCBs	17	1	1	--	1	--	20
SB4-4, 12-14' SW4-4, 2-22'	--	TCL Pesticides	17	1	1	--	1	--	20
SB4-4, 39-42' SW4-5, 2-6'	--	Total Organic Carbon	17	1	1	--	0	--	19
SW4-1, 2-24' DUPLICATE 6 (SW4-4, 2-22')	pH	--	17	--	--	--	--	1	18
SW4-1, 24-36' SB4-2, 2-39' MS/MSD	ORP	--	17	--	--	--	--	1	18
Groundwater (a)	--	TAL Metals (b)	2	1	1	--	1	--	5
SW4-1	--	Cyanide	2	1	1	--	1	--	5
SW4-4	--	TCL VOCs	2	1	1	1	1	--	6
GWDUP6 (SW4-1)	--	TCL SVOCs	2	1	1	--	1	--	5
SW4-1 FB	--	TCL PCBs	2	1	1	--	1	--	5
SW4-4 MS/MSD	--	TCL Pesticides	2	1	1	--	1	--	5
	pH	--	2	--	--	--	--	1	3
	ORP	--	2	--	--	--	--	1	3
	Specific Conductance	--	2	--	--	--	--	1	3
	Temperature	--	2	--	--	--	--	1	3
	Turbidity	--	2	--	--	--	--	1	3

(a) - Field parameters for groundwater will be measured during well purging.
One round of perched groundwater samples will be collected during Phase I.
(b) - Dissolved metals
(c) - One trip blank per cooler

TABLE 1-6
STUDY AREA 5 INVESTIGATIVE AND QUALITY ASSURANCE SAMPLES
PAINESVILLE WORKS SITE

Sample Matrix and Identifications	Field Parameters	Chemical Parameters	Number of Samples	Duplicate	Field Blank	Trip Blank (C)	MS/MSD	Replicate	Matrix Total
Surface Soils	--	TAL Metals	4	1	1	--	1	--	7
SS5-1	--	Cyanide	4	1	1	--	1	--	7
SS5-2	--	Asbestos	4	1	0	--	1	--	6
SS5-3	--	TCL VOCs	4	1	1	1	1	--	8
PB5-1, 0-2'	--	TCL SVOCs	4	1	1	--	1	--	7
DUPLICATE 2 (SS5-1)	--	TCL PCBs	4	1	1	--	1	--	7
SS5-1 FB	--	TCL Pesticides	4	1	1	--	1	--	7
SS5-3 MS/MSD	--	Total Organic Carbon	4	1	1	--	0	--	6
	pH	--	4	--	--	--	--	1	5
	ORP	--	4	--	--	--	--	1	5
Subsurface Soils	--	TAL Metals	3	1	1	--	1	--	6
PB5-1, 2-16'	--	Cyanide	3	1	1	--	1	--	6
PB5-1, 16-31'	--	Asbestos	3	1	0	--	1	--	5
PB5-1, 31-33'	--	TCL VOCs	3	1	1	1	1	--	7
DUPLICATE 10 (PB5-1, 2-16')	--	TCL SVOCs	3	1	1	--	1	--	6
PB5-1, 14-16' FB	--	TCL PCBs	3	1	1	--	1	--	6
PB5-1, 2-16' MS/MSD	--	TCL Pesticides	3	1	1	--	1	--	6
	--	Total Organic Carbon	3	1	1	--	0	--	5
	pH	--	3	--	--	--	--	1	4
	ORP	--	3	--	--	--	--	1	4
Groundwater (a)	--	TAL Metals (b)	2	1	1	--	1	--	5
CL5-1	--	Cyanide	2	1	1	--	1	--	5
CL5-2	--	TCL VOCs	2	1	1	1	1	--	6
GWDUP3 (CL5-2)	--	TCL SVOCs	2	1	1	--	1	--	5
CL5-2 FB	--	TCL PCBs	2	1	1	--	1	--	5
CL5-1 MS/MSD	--	TCL Pesticides	2	1	1	--	1	--	5
	pH	--	2	--	--	--	--	1	3
	ORP	--	2	--	--	--	--	1	3
	Specific Conductance	--	2	--	--	--	--	1	3
	Temperature	--	2	--	--	--	--	1	3
	Turbidity	--	2	--	--	--	--	1	3

(a) - Field parameters for groundwater will be measured during well purging.
One round of perched groundwater samples will be collected during Phase I.
(b) - Dissolved metals
(c) - One trip blank per cooler

TABLE 1-7
STUDY AREA 6 INVESTIGATIVE AND QUALITY ASSURANCE SAMPLES
PAINESVILLE WORKS SITE

Sample Matrix and Identifications	Field Parameters	Chemical Parameters	Number of Samples	Duplicate	Field Blank	Trip Blank (C)	MS/MSD	Replicate	Matrix Total
Groundwater (a)	--	TAL Metals (b)	9	1	1	--	1	--	12
CL6-1 GWDUP4 (CL6-9)	--	Cyanide	9	1	1	--	1	--	12
CL6-1A (NO SVOCs)	--	TCL VOCs	9	1	1	1	1	--	13
CL6-1A (SVOCs) CL6-8 MS/MSD	--	TCL SVOCs	9	1	1	--	1	--	12
CL6-3 CL6-1 FB	--	TCL PCBs	9	1	1	--	1	--	12
CL6-4	--	TCL Pesticides	9	1	1	--	1	--	12
CL6-5	pH	--	9	--	--	--	--	1	10
CL6-6	ORP	--	9	--	--	--	--	1	10
CL6-7	Specific Conductance	--	9	--	--	--	--	1	10
CL6-8	Temperature	--	9	--	--	--	--	1	10
CL6-9	Turbidity	--	9	--	--	--	--	1	10

(a) - Field parameters for groundwater will be measured during well purging.
One round of perched groundwater samples will be collected during Phase I.
(b) - Dissolved metals
(c) - One trip blank per cooler

TABLE 1-8
STUDY AREA 7 INVESTIGATIVE AND QUALITY ASSURANCE SAMPLES
PAINESVILLE WORKS SITE

Sample Matrix and Identifications	Field Parameters	Chemical Parameters	Number of Samples	Duplicate	Field Blank	Trip Blank (C)	MS/MSD	Replicate	Matrix Total
Surface Soils	--	TAL Metals	6	1	1	--	1	--	9
SB7-1, 0-2' SW7-4, 0-2' MS/MSD	--	Cyanide	6	1	1	--	1	--	9
SB7-2, 0-2'	--	TCL VOCs	6	1	1	1	1	--	10
SW7-1, 0-2'	--	TCL SVOCs	6	1	1	--	1	--	9
SW7-2, 0-2'	--	TCL PCBs	6	1	1	--	1	--	9
SW7-3, 0-2'	--	TCL Pesticides	6	1	1	--	1	--	9
SW7-4, 0-2'	--	Total Organic Carbon	6	1	1	--	0	--	8
DUPLICATE 3 (SW7-3, 0-2')	pH	--	6	--	--	--	--	1	7
SW7-3, 0-2' FB	ORP	--	6	--	--	--	--	1	7
Subsurface Soils	--	TAL Metals	7	1	1	--	1	--	10
SB7-1, 32-34' DUPLICATE 4 (SW7-3, 2-16')	--	Cyanide	7	1	1	--	1	--	10
SB7-2, 2-30' (NO VOCs)	--	TCL VOCs	7	1	1	1	1	--	11
SB7-2, 6-8' (VOCs)	--	TCL SVOCs	7	1	1	--	1	--	10
SW7-1, 2-29' SW7-4, 2-40' MS/MSD	--	TCL PCBs	7	1	1	--	1	--	10
SW7-1, 32-34' SW7-3, 10-12' FB	--	TCL Pesticides	7	1	1	--	1	--	10
SW7-2, 2-10'	--	Total Organic Carbon	7	1	1	--	0	--	9
SW7-3, 2-16'	pH	--	7	--	--	--	--	1	8
SW7-4, 2-40'	ORP	--	7	--	--	--	--	1	8
Groundwater (a)	--	TAL Metals (b)	6	1	1	--	1	--	9
SW7-2	--	Cyanide	6	1	1	--	1	--	9
SW7-2 GR (SURFACE WATER)	--	TCL VOCs	6	1	1	1	1	--	10
SW7-3	--	TCL SVOCs	6	1	1	--	1	--	9
SW7-4	--	TCL PCBs	6	1	1	--	1	--	9
SL3 (SEEP)	--	TCL Pesticides	6	1	1	--	1	--	9
SL5 (SEEP)	pH	--	6	--	--	--	--	1	7
GWDUP 7 (SW7-3)	ORP	--	6	--	--	--	--	1	7
SW7-3 FB	Specific Conductance	--	6	--	--	--	--	1	7
SW7-2 MS/MSD	Temperature	--	6	--	--	--	--	1	7
	Turbidity	--	6	--	--	--	--	1	7

(a) - Field parameters for groundwater will be measured during well purging.
One round of perched groundwater samples will be collected during Phase I.
(b) - Dissolved metals
(c) - One trip blank per cooler

TABLE 1-9
LAKE ERIE SEDIMENT INVESTIGATIVE AND QUALITY ASSURANCE SAMPLES
PAINESVILLE WORKS SITE

Sample Matrix and Identifications	Field Parameters	Chemical Parameters	Number of Samples	Duplicate	Field Blank	Trip Blank (a)	MS/MSD	Replicate	Matrix Total
Sediment	--	TAL Metals	4	1	1	--	1	--	7
SD1-1 *SD2-1 MS/MSD*	--	Cyanide	4	1	1	--	1	--	7
SD1-2	--	TCL VOCs	4	1	1	1	1	--	8
SD2-1	--	TCL SVOCs	4	1	1	--	1	--	7
SD2-2	--	TCL PCBs	4	1	1	--	1	--	7
SED DUP 1 (SD2-1)	--	TCL Pesticides	4	1	1	--	1	--	7
SD1-1 FB	--	Total Organic Carbon	4	1	1	--	0	--	6
(a) - One trip blank per cooler									

TABLE 1-10
BACKGROUND INVESTIGATIVE AND QUALITY ASSURANCE SAMPLES
PAINESVILLE WORKS SITE

Sample Matrix and Identifications	Field Parameters	Chemical Parameters	Number of Samples	Duplicate	Field Blank	Trip Blank (a)	MS/MSD	Replicate	Matrix Total
Surface Soils	--	TAL Metals	4	0	0	--	1	--	5
BG1, 0-2'	--	Cyanide	4	0	0	--	1	--	5
BG2, 0-2'	--	TCL VOCs	4	0	0	1	1	--	6
BG3, 0-2'	--	TCL SVOCs	4	0	0	--	1	--	5
BG4, 0-2'	--	TCL PCBs	4	0	0	--	1	--	5
BG4, 0-2' MS/MSD	--	TCL Pesticides	4	0	0	--	1	--	5
	--	Total Organic Carbon	4	0	0	--	1	--	5
	pH	--	4	--	--	--	--	0	4
	ORP	--	4	--	--	--	--	0	4
Subsurface Soils	--	TAL Metals	16	0	0	--	0	--	16
BG1, 4-6' *BG3, 4-6'*	--	Cyanide	16	0	0	--	0	--	16
BG1, 10-12' *BG3, 6-8'*	--	TCL VOCs	16	0	0	1	0	--	17
BG1, 14-16' *BG3, 14-16'*	--	TCL SVOCs	16	0	0	--	0	--	16
BG1, 20-22' *BG3, 22-24'*	--	TCL PCBs	16	0	0	--	0	--	16
BG2, 4-6' *BG4, 10-12'*	--	TCL Pesticides	16	0	0	--	0	--	16
BG2, 6-8' *BG4, 14-16'*	--	Total Organic Carbon	16	0	0	--	0	--	16
BG2, 14-16' *BG4, 22-24'*	pH	--	16	--	--	--	--	0	16
BG2, 24-26' *BG4, 38-40'*	ORP	--	16	--	--	--	--	0	16

(a) - One trip blank per cooler

Table 4-1
Background Concentrations for Inorganic Constituents

Analyte	Background Concentration (mg/kg)			
	Surface Soil (0-2')	Subsurface - Silty Clay w/ Slight Plasticity	Subsurface - Silty Clay w/ Medium Plasticity	Subsurface - Silty Sand and Gravel
Aluminum	10276.1	14265.8	13847.6	13290.7
Antimony	0.5	0.4	0.5	0.5
Arsenic	18.7	20.7	27.6	22.4
Barium	141.8	105.0	315.6	120.8
Beryllium	0.8	0.8	0.7	0.8
Cadmium	0.2	0.04	6.2	0.04
Calcium	2647.8	26045.0	30158.7	52511.4
Chromium	29.8	21.9	21.2	20.7
Cobalt	11.8	22.1	16.1	14.7
Copper	25.8	34.9	28.5	32.8
Cyanide	0.3	0.30	0.32	0.30
Iron	33622.2	40491.4	37144.8	43747.0
Lead	76.2	20.8	17.9	12.9
Magnesium	3234.1	11639.1	12369.7	17763.3
Manganese	521.8	626.7	453.5	799.8
Mercury	0.3	1.30	0.05	0.01
Nickel	22.3	47.7	39.7	37.6
Potassium	1291.3	2366.1	2735.5	3051.6
Selenium	0.4	0.36	1.02	0.37
Silver	0.2	0.17	0.23	1.8
Sodium	53.1	206.8	213.1	214.5
Thallium	3.2	2.8	3.0	3.6
Vanadium	22.1	21.4	22.9	25.5
Zinc	191.9	112.5	590.8	76.7

Table 5 - 1

Surface Soil Analytical Results Above Region IX Residential PRGs

SAMPLE ID: DUP3						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Arsenic	9/10/97	9.2	MG/KG	0.95	2.2	3.8E-01	3.0E+00	Area 7	Duplicate of SW7-3, 0'-2'
Dieldrin	9/10/97	0.11	MG/KG	0.00056	0.019	2.8E-02	1.9E-01	Area 7	Duplicate of SW7-3, 0'-2'
Iron	9/10/97	16500	MG/KG	6.6	22.1	*2.2E+03*	*1.0E+04*	Area 7	Duplicate of SW7-3, 0'-2'
SAMPLE ID: SB7-1,0'-2'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Arsenic	9/3/97	4.6	MG/KG	1.6	3.4	3.8E-01	3.0E+00	Area 7	
Iron	9/3/97	32900	MG/KG	7.3	33.7	*2.2E+03*	*1.0E+04*	Area 7	
Manganese	9/3/97	679	MG/KG	0.071	5.1	*3.1E+02*	*4.5E+03*	Area 7	
SAMPLE ID: SB7-2,0'-2'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/5/97	10200	MG/KG	5.9	43.6	*7.5E+03*	*1.0E+04*	Area 7	
Arsenic	9/5/97	12.1	MG/KG	0.94	2.2	3.8E-01	3.0E+00	Area 7	
Iron	9/5/97	26900	MG/KG	4.7	21.8	*2.2E+03*	*1.0E+04*	Area 7	
Manganese	9/5/97	353	MG/KG	0.046	3.3	*3.1E+02*	*4.5E+03*	Area 7	
SAMPLE ID: SW7-1,0'-2'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Arsenic	9/4/97	4.9 B	MG/KG	3.1	6.5	3.8E-01	3.0E+00	Area 7	
Iron	9/4/97	25400	MG/KG	14	64.9	*2.2E+03*	*1.0E+04*	Area 7	
Manganese	9/4/97	671	MG/KG	0.14	9.7	*3.1E+02*	*4.5E+03*	Area 7	
SAMPLE ID: SW7-2,0'-2'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	10/14/97	9930	MG/KG	6.3	52.4	*7.5E+03*	*1.0E+04*	Area 7	
Arsenic	10/14/97	15.5	MG/KG	1	2.6	3.8E-01	3.0E+00	Area 7	
Iron	10/14/97	27600	MG/KG	2.9	26.2	*2.2E+03*	*1.0E+04*	Area 7	
Manganese	10/14/97	425 N	MG/KG	0.13	3.9	*3.1E+02*	*4.5E+03*	Area 7	
Thallium	10/14/97	1.8 BN	MG/KG	1	2.6	*5.2E-01*	*1.3E+01*	Area 7	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: SW7-3,0'-2'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/10/97	7530	MG/KG	9.4	44.4	*7.5E+03*	*1.0E+04*	Area 7	
Arsenic	9/10/97	8.8	MG/KG	0.95	2.2	3.8E-01	3.0E+00	Area 7	
Benzo(a)pyrene	9/10/97	0.11 J	MG/KG	0.038	0.37	5.6E-02	3.6E-01	Area 7	
Dieldrin	9/10/97	0.12	MG/KG	0.00057	0.019	2.8E-02	1.9E-01	Area 7	
Iron	9/10/97	16400	MG/KG	6.6	22.2	*2.2E+03*	*1.0E+04*	Area 7	
SAMPLE ID: SW7-4,0'-2'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/8/97	9690	MG/KG	9.2	43.5	*7.5E+03*	*1.0E+04*	Area 7	
Arsenic	9/8/97	13.5	MG/KG	0.93	2.2	3.8E-01	3.0E+00	Area 7	
Iron	9/8/97	23400	MG/KG	6.5	21.7	*2.2E+03*	*1.0E+04*	Area 7	

SAMPLE ID: DUP9						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/26/97	13500	MG/KG	13.3	48.5	7.5E+03	1.0E+04	Area 3	Duplicate of SB3-2, 0'-2'
Arsenic	9/26/97	17.3	MG/KG	1	2.4	3.8E-01	3.0E+00	Area 3	Duplicate of SB3-2, 0'-2'
Benzo(a)anthracene	9/26/97	1.1	MG/KG	0.04	0.4	5.6E-01	3.6E+00	Area 3	Duplicate of SB3-2, 0'-2'
Benzo(a)pyrene	9/26/97	1.7	MG/KG	0.04	0.4	5.6E-02	3.6E-01	Area 3	Duplicate of SB3-2, 0'-2'
Benzo(b)fluoranthene	9/26/97	1.2	MG/KG	0.04	0.4	5.6E-01	3.6E+00	Area 3	Duplicate of SB3-2, 0'-2'
Dibenzo(a,h)anthracene	9/26/97	0.53	MG/KG	0.04	0.4	5.6E-02	3.6E-01	Area 3	Duplicate of SB3-2, 0'-2'
Indeno(1,2,3-cd)pyrene	9/26/97	0.8	MG/KG	0.04	0.4	5.6E-01	3.6E+00	Area 3	Duplicate of SB3-2, 0'-2'
Iron	9/26/97	34800	MG/KG	5.2	24.3	2.2E+03	1.0E+04	Area 3	Duplicate of SB3-2, 0'-2'
Manganese	9/26/97	322 N*	MG/KG	0.09	3.6	3.1E+02	4.5E+03	Area 3	Duplicate of SB3-2, 0'-2'
SAMPLE ID: SB3-1,0'-2'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/1/97	13700	MG/KG	12.2	44.7	7.5E+03	1.0E+04	Area 3	
Arsenic	10/1/97	12.5	MG/KG	0.96	2.2	3.8E-01	3.0E+00	Area 3	
Iron	10/1/97	29800	MG/KG	6.3	22.3	2.2E+03	1.0E+04	Area 3	
Manganese	10/1/97	401	MG/KG	0.083	3.4	3.1E+02	4.5E+03	Area 3	
SAMPLE ID: SB3-2,0'-2'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/26/97	15000	MG/KG	13	47.4	7.5E+03	1.0E+04	Area 3	
Arsenic	9/26/97	17.2	MG/KG	1	2.4	3.8E-01	3.0E+00	Area 3	
Iron	9/26/97	35000	MG/KG	5.1	23.7	2.2E+03	1.0E+04	Area 3	
Manganese	9/26/97	450 N*	MG/KG	0.088	3.6	3.1E+02	4.5E+03	Area 3	
Thallium	9/26/97	1 B	MG/KG	0.81	2.4	5.2E-01	1.3E+01	Area 3	
SAMPLE ID: SS3-1						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	8/27/97	13400	MG/KG	9.7	48.5	7.5E+03	1.0E+04	Area 3	
Arsenic	8/27/97	13.4	MG/KG	1.1	2.4	3.8E-01	3.0E+00	Area 3	
Iron	8/27/97	40800	MG/KG	5.2	24.2	2.2E+03	1.0E+04	Area 3	
Manganese	8/27/97	1430 N	MG/KG	0.046	3.6	3.1E+02	4.5E+03	Area 3	
Thallium	8/27/97	3.3	MG/KG	0.97	2.4	5.2E-01	1.3E+01	Area 3	

SAMPLE ID: SS3-2						Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	8/27/97	9660		MG/KG	9.1	45.7	7.5E+03	1.0E+04	Area 3	
Arsenic	8/27/97	14		MG/KG	1.1	2.3	3.8E-01	3.0E+00	Area 3	
Iron	8/27/97	29800		MG/KG	4.9	22.9	2.2E+03	1.0E+04	Area 3	
Manganese	8/27/97	434	N	MG/KG	0.043	3.4	3.1E+02	4.5E+03	Area 3	
Thallium	8/27/97	1.5	B	MG/KG	0.91	2.3	5.2E-01	1.3E+01	Area 3	
SAMPLE ID: DUP2							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/8/97	11700		MG/KG	5.8	43.2	7.5E+03	1.0E+04	Area 5	Duplicate of SS5-1
Arsenic	9/8/97	24.5		MG/KG	0.93	2.2	3.8E-01	3.0E+00	Area 5	Duplicate of SS5-1
Iron	9/8/97	32300		MG/KG	4.7	21.6	2.2E+03	1.0E+04	Area 5	Duplicate of SS5-1
Manganese	9/8/97	353		MG/KG	0.045	3.2	3.1E+02	4.5E+03	Area 5	Duplicate of SS5-1
SAMPLE ID: PB5-1,0'-2'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/30/97	14800		MG/KG	12.6	45.9	7.5E+03	1.0E+04	Area 5	
Aroclor-1260	9/30/97	0.52	C	MG/KG	0.023	0.38	2.0E-01	1.3E+00	Area 5	
Arsenic	9/30/97	16.5		MG/KG	1.1	2.3	3.8E-01	3.0E+00	Area 5	
Benzo(a)pyrene	9/30/97	0.31	J	MG/KG	0.038	0.38	5.6E-02	3.6E-01	Area 5	
Dibenzo(a,h)anthracene	9/30/97	0.087	J	MG/KG	0.038	0.38	5.6E-02	3.6E-01	Area 5	
Iron	9/30/97	32600	*	MG/KG	4.6	22.9	2.2E+03	1.0E+04	Area 5	
Thallium	9/30/97	1.4	B	MG/KG	0.92	2.3	5.2E-01	1.3E+01	Area 5	
SAMPLE ID: SS5-1							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/8/97	10200		MG/KG	5.9	43.6	7.5E+03	1.0E+04	Area 5	
Arsenic	9/8/97	21		MG/KG	0.94	2.2	3.8E-01	3.0E+00	Area 5	
Iron	9/8/97	29500		MG/KG	4.7	21.8	2.2E+03	1.0E+04	Area 5	
Manganese	9/8/97	340		MG/KG	0.046	3.3	3.1E+02	4.5E+03	Area 5	
SAMPLE ID: SS5-3							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/8/97	12000		MG/KG	6	44.5	7.5E+03	1.0E+04	Area 5	
Arsenic	9/8/97	15.1		MG/KG	0.96	2.2	3.8E-01	3.0E+00	Area 5	
Benzo(a)pyrene	9/8/97	0.06	J	MG/KG	0.038	0.38	5.6E-02	3.6E-01	Area 5	
Iron	9/8/97	30600		MG/KG	4.8	22.2	2.2E+03	1.0E+04	Area 5	
Manganese	9/8/97	318		MG/KG	0.047	3.3	3.1E+02	4.5E+03	Area 5	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: DUP1						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/4/97	11700	MG/KG	10.2	51.2	*7.5E+03*	*1.0E+04*	Area 2	Duplicate of SS2-2
Arsenic	9/4/97	12.4	MG/KG	1.2	2.6	3.8E-01	3.0E+00	Area 2	Duplicate of SS2-2
Hexavalent Chromium by IC	9/4/97	36	MG/KG	2.6	13	3.0E+01	6.4E+01	Area 2	Duplicate of SS2-2
Iron	9/4/97	34800	MG/KG	5.5	25.6	*2.2E+03*	*1.0E+04*	Area 2	Duplicate of SS2-2
Thallium	9/4/97	1.8 B	MG/KG	1.6	2.6	*5.2E-01*	*1.3E+01*	Area 2	Duplicate of SS2-2
SAMPLE ID: SS2-1						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/3/97	10300	MG/KG	9.2	46.2	*7.5E+03*	*1.0E+04*	Area 2	
Arsenic	9/3/97	11.1	MG/KG	1.1	2.3	3.8E-01	3.0E+00	Area 2	
Benzo(a)pyrene	9/3/97	0.079 J	MG/KG	0.039	0.38	5.6E-02	3.6E-01	Area 2	
Iron	9/3/97	23500	MG/KG	5	23.1	*2.2E+03*	*1.0E+04*	Area 2	
Thallium	9/3/97	1.7 B	MG/KG	1.5	2.3	*5.2E-01*	*1.3E+01*	Area 2	
SAMPLE ID: SS2-2						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/4/97	12200	MG/KG	10.1	50.8	*7.5E+03*	*1.0E+04*	Area 2	
Arsenic	9/4/97	11.7	MG/KG	1.2	2.5	3.8E-01	3.0E+00	Area 2	
Hexavalent Chromium by IC	9/4/97	42	MG/KG	6.4	32	3.0E+01	6.4E+01	Area 2	
Iron	9/4/97	32600	MG/KG	5.5	25.4	*2.2E+03*	*1.0E+04*	Area 2	
SAMPLE ID: SW2-1,0'-2'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Arsenic	10/7/97	9.3	MG/KG	0.97	2.3	3.8E-01	3.0E+00	Area 2	
Benzo(a)anthracene	10/7/97	35 D	MG/KG	1.9	19	5.6E-01	3.6E+00	Area 2	
Benzo(a)pyrene	10/7/97	27 D	MG/KG	1.9	19	5.6E-02	3.6E-01	Area 2	
Benzo(b)fluoranthene	10/7/97	36 D	MG/KG	1.9	19	5.6E-01	3.6E+00	Area 2	
Benzo(k)fluoranthene	10/7/97	14 JD	MG/KG	1.9	19	5.6E+00	3.6E+01	Area 2	
Dibenzo(a,h)anthracene	10/7/97	7.8	MG/KG	0.19	1.9	5.6E-02	3.6E-01	Area 2	
Indeno(1,2,3-cd)pyrene	10/7/97	18 JD	MG/KG	1.9	19	5.6E-01	3.6E+00	Area 2	
Iron	10/7/97	15900	MG/KG	4.5	22.7	*2.2E+03*	*1.0E+04*	Area 2	

SAMPLE ID: SW2-2,0'-2'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
2-Methylnaphthalene	10/7/97	22		MG/KG	0.8	4	*5.5E+00*	*1.9E+01*	Area 2	
Arsenic	10/7/97	14.1		MG/KG	1	2.4	3.8E-01	3.0E+00	Area 2	
Iron	10/7/97	19100		MG/KG	4.8	24	*2.2E+03*	*1.0E+04*	Area 2	
Naphthalene	10/7/97	110	D	MG/KG	2	20	*5.5E+00*	*1.9E+01*	Area 2	
Thallium	10/7/97	2.4	B	MG/KG	0.96	2.4	*5.2E-01*	*1.3E+01*	Area 2	

SAMPLE ID: DUP5						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/15/97	12100		MG/KG	10.1	47.5	*7.5E+03*	*1.0E+04*	Area 4a	Duplicate of SW4-4, 0'-2'
Arsenic	9/15/97	60.9		MG/KG	1	2.4	3.8E-01	3.0E+00	Area 4a	Duplicate of SW4-4, 0'-2'
Iron	9/15/97	25300	*	MG/KG	7.1	23.8	*2.2E+03*	*1.0E+04*	Area 4a	Duplicate of SW4-4, 0'-2'
Thallium	9/15/97	2.7		MG/KG	1.6	2.4	*5.2E-01*	*1.3E+01*	Area 4a	Duplicate of SW4-4, 0'-2'
SAMPLE ID: SB4-1,0'-2'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/12/97	10100		MG/KG	9.7	45.8	*7.5E+03*	*1.0E+04*	Area 4a	
Arsenic	9/12/97	11.5		MG/KG	0.98	2.3	3.8E-01	3.0E+00	Area 4a	
Benzo(a)pyrene	9/12/97	0.11	J	MG/KG	0.038	0.38	5.6E-02	3.6E-01	Area 4a	
Iron	9/12/97	25200		MG/KG	6.8	22.9	*2.2E+03*	*1.0E+04*	Area 4a	
Manganese	9/12/97	337		MG/KG	0.069	3.4	*3.1E+02*	*4.5E+03*	Area 4a	
SAMPLE ID: SB4-2,0'-2'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/16/97	10800		MG/KG	9.9	46.8	*7.5E+03*	*1.0E+04*	Area 4a	
Arsenic	9/16/97	10.5		MG/KG	1	2.3	3.8E-01	3.0E+00	Area 4a	
Iron	9/16/97	26700	*	MG/KG	7	23.4	*2.2E+03*	*1.0E+04*	Area 4a	
Manganese	9/16/97	407	N*	MG/KG	0.07	3.5	*3.1E+02*	*4.5E+03*	Area 4a	
SAMPLE ID: SB4-3,0'-2'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/11/97	13200		MG/KG	9.7	45.8	*7.5E+03*	*1.0E+04*	Area 4a	
Arsenic	9/11/97	9.4		MG/KG	0.98	2.3	3.8E-01	3.0E+00	Area 4a	
Benzo(a)pyrene	9/11/97	0.06	J	MG/KG	0.039	0.38	5.6E-02	3.6E-01	Area 4a	
Dibenzo(a,h)anthracene	9/11/97	0.061	J	MG/KG	0.039	0.38	5.6E-02	3.6E-01	Area 4a	
Iron	9/11/97	23200		MG/KG	6.8	22.9	*2.2E+03*	*1.0E+04*	Area 4a	

SAMPLE ID: SB4-4,0'-2'						Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
2-Methylnaphthalene	10/3/97	61	JD	MG/KG	18	91	5.5E+00	1.9E+01	Area 4b	
Aluminum	10/3/97	12900		MG/KG	12.1	44	7.5E+03	1.0E+04	Area 4b	
Arsenic	10/3/97	158		MG/KG	1	2.2	3.8E-01	3.0E+00	Area 4b	
Barium	10/3/97	588		MG/KG	0.04	44	5.2E+02	1.0E+04	Area 4b	
Benzo(a)anthracene	10/3/97	0.85	J	MG/KG	0.37	3.6	5.6E-01	3.6E+00	Area 4b	
Benzo(a)pyrene	10/3/97	0.54	J	MG/KG	0.37	3.6	5.6E-02	3.6E-01	Area 4b	
Iron	10/3/97	37400	*	MG/KG	4.4	22	2.2E+03	1.0E+04	Area 4b	
Naphthalene	10/3/97	660	D	MG/KG	9.2	91	5.5E+00	1.9E+01	Area 4b	
Naphthalene, 1-methyl-	10/3/97	29	JN	MG/KG			5.5E+00	1.9E+01	Area 4b	
Naphthalene, 1-methyl-	10/3/97	29	JN	MG/KG			5.5E+00	1.9E+01	Area 4b	
Thallium	10/3/97	4.8		MG/KG	0.88	2.2	5.2E-01	1.3E+01	Area 4b	
SAMPLE ID: SW4-1,0'-2'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/10/97	7640		MG/KG	15	70.8	7.5E+03	1.0E+04	Area 4b	
Arsenic	9/10/97	13.2		MG/KG	1.5	3.5	3.8E-01	3.0E+00	Area 4b	
Iron	9/10/97	11700		MG/KG	10.6	35.4	2.2E+03	1.0E+04	Area 4b	
Manganese	9/10/97	733		MG/KG	0.11	5.3	3.1E+02	4.5E+03	Area 4b	
SAMPLE ID: SW4-2,0'-2'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/2/97	14000		MG/KG	17	62.1	7.5E+03	1.0E+04	Area 4b	
Arsenic	10/2/97	12.5		MG/KG	1.5	3.1	3.8E-01	3.0E+00	Area 4b	
Benzo(a)pyrene	10/2/97	0.22	J	MG/KG	0.052	0.51	5.6E-02	3.6E-01	Area 4b	
Iron	10/2/97	21300	*	MG/KG	6.2	31.1	2.2E+03	1.0E+04	Area 4b	
SAMPLE ID: SW4-3,0'-2'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/16/97	9590		MG/KG	9.2	43.7	7.5E+03	1.0E+04	Area 4a	
Arsenic	9/16/97	19.7		MG/KG	0.94	2.2	3.8E-01	3.0E+00	Area 4a	
Iron	9/16/97	24600	*	MG/KG	6.5	21.9	2.2E+03	1.0E+04	Area 4a	
SAMPLE ID: SW4-4,0'-2'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/15/97	16200		MG/KG	6.4	47.8	7.5E+03	1.0E+04	Area 4a	
Arsenic	9/15/97	62.5	*	MG/KG	1	2.4	3.8E-01	3.0E+00	Area 4a	
Iron	9/15/97	39900		MG/KG	5.2	23.9	2.2E+03	1.0E+04	Area 4a	
Thallium	9/15/97	3.5		MG/KG	1.6	2.4	5.2E-01	1.3E+01	Area 4a	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: SW4-5,0'-2'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	10/6/97	17000	MG/KG	13.6	49.5	*7.5E+03*	*1.0E+04*	Area 4b	
Arsenic	10/6/97	77	MG/KG	1.1	2.5	3.8E-01	3.0E+00	Area 4b	
Iron	10/6/97	35100	MG/KG	7	24.8	*2.2E+03*	*1.0E+04*	Area 4b	
Manganese	10/6/97	318	MG/KG	0.092	3.7	*3.1E+02*	*4.5E+03*	Area 4b	
Thallium	10/6/97	2.5	MG/KG	1.4	2.5	*5.2E-01*	*1.3E+01*	Area 4b	

SAMPLE ID: DUP8							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Arsenic	9/23/97	13	*	MG/KG	1	2.3	3.8E-01	3.0E+00	Area 1	Duplicate of SW1-4, 0'-2'
Iron	9/23/97	34800		MG/KG	5	23.2	*2.2E+03*	*1.0E+04*	Area 1	Duplicate of SW1-4, 0'-2'
SAMPLE ID: SB1-1,0'-2'							**Region IX PRGs**			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/17/97	9920		MG/KG	6	44.3	*7.5E+03*	*1.0E+04*	Area 1	
Arsenic	9/17/97	9.9	*	MG/KG	0.95	2.2	3.8E-01	3.0E+00	Area 1	
Benzo(a)pyrene	9/17/97	0.17	J	MG/KG	0.037	0.36	5.6E-02	3.6E-01	Area 1	
Chromium	9/17/97	347		MG/KG	0.29	2.2	2.1E+02	4.5E+02	Area 1	
Dibenzo(a,h)anthracene	9/17/97	0.088	JB	MG/KG	0.037	0.36	5.6E-02	3.6E-01	Area 1	
Iron	9/17/97	22500		MG/KG	4.8	22.2	*2.2E+03*	*1.0E+04*	Area 1	
Manganese	9/17/97	320	N*	MG/KG	0.047	3.3	*3.1E+02*	*4.5E+03*	Area 1	
SAMPLE ID: SB1-2,0'-2'							**Region IX PRGs**			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/19/97	12800		MG/KG	12.6	45.9	*7.5E+03*	*1.0E+04*	Area 1	
Arsenic	9/19/97	12.3	*	MG/KG	0.99	2.3	3.8E-01	3.0E+00	Area 1	
Benzo(a)pyrene	9/19/97	0.33	J	MG/KG	0.039	0.38	5.6E-02	3.6E-01	Area 1	
Dibenzo(a,h)anthracene	9/19/97	0.096	JB	MG/KG	0.039	0.38	5.6E-02	3.6E-01	Area 1	
Iron	9/19/97	25300		MG/KG	5	23	*2.2E+03*	*1.0E+04*	Area 1	
Manganese	9/19/97	331		MG/KG	0.048	3.4	*3.1E+02*	*4.5E+03*	Area 1	
SAMPLE ID: SB1-3,0'-2'							**Region IX PRGs**			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/18/97	11700		MG/KG	9.4	44.5	*7.5E+03*	*1.0E+04*	Area 1	
Arsenic	9/18/97	13.7		MG/KG	0.96	2.2	3.8E-01	3.0E+00	Area 1	
Benzo(a)pyrene	9/18/97	0.078	J	MG/KG	0.037	0.37	5.6E-02	3.6E-01	Area 1	
Iron	9/18/97	25600	*	MG/KG	6.7	22.3	*2.2E+03*	*1.0E+04*	Area 1	
Manganese	9/18/97	429	N*	MG/KG	0.067	3.3	*3.1E+02*	*4.5E+03*	Area 1	
SAMPLE ID: SB1-4							**Region IX PRGs**			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/3/97	11800		MG/KG	9	45.1	*7.5E+03*	*1.0E+04*	Area 1	
Arsenic	9/3/97	15.5		MG/KG	1.1	2.3	3.8E-01	3.0E+00	Area 1	
Iron	9/3/97	34500		MG/KG	4.9	22.5	*2.2E+03*	*1.0E+04*	Area 1	
Manganese	9/3/97	396		MG/KG	0.047	3.4	*3.1E+02*	*4.5E+03*	Area 1	
Thallium	9/3/97	1.9	B	MG/KG	1.4	2.3	*5.2E-01*	*1.3E+01*	Area 1	

SAMPLE ID: SB1-5						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	8/28/97	9180		MG/KG	9.6	48	*7.5E+03*	*1.0E+04*	Area 1	
Arsenic	8/28/97	13.5		MG/KG	1.1	2.4	3.8E-01	3.0E+00	Area 1	
Benzo(a)pyrene	8/28/97	0.11	J	MG/KG	0.04	0.4	5.6E-02	3.6E-01	Area 1	
Copper	8/28/97	762		MG/KG	0.23	6	*2.8E+02*	*7.0E+03*	Area 1	
Iron	8/28/97	28700		MG/KG	5.2	24	*2.2E+03*	*1.0E+04*	Area 1	
Manganese	8/28/97	363	N	MG/KG	0.046	3.6	*3.1E+02*	*4.5E+03*	Area 1	
Thallium	8/28/97	1	B	MG/KG	0.96	2.4	*5.2E-01*	*1.3E+01*	Area 1	

SAMPLE ID: SB1-6						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/3/97	12700		MG/KG	9.1	45.4	*7.5E+03*	*1.0E+04*	Area 1	
Arsenic	9/3/97	15.1		MG/KG	1.1	2.3	3.8E-01	3.0E+00	Area 1	
Iron	9/3/97	34200		MG/KG	4.9	22.7	*2.2E+03*	*1.0E+04*	Area 1	
Manganese	9/3/97	428		MG/KG	0.048	3.4	*3.1E+02*	*4.5E+03*	Area 1	

SAMPLE ID: SB1-7						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	8/28/97	19500		MG/KG	10.9	54.7	*7.5E+03*	*1.0E+04*	Area 1	
Aroclor-1260	8/28/97	0.44	P	MG/KG	0.0027	0.0451	2.0E-01	1.3E+00	Area 1	
Arsenic	8/28/97	4.1		MG/KG	1.3	2.7	3.8E-01	3.0E+00	Area 1	
Benzo(a)pyrene	8/28/97	0.41	J	MG/KG	0.046	0.45	5.6E-02	3.6E-01	Area 1	
Benzo(b)fluoranthene	8/28/97	0.66		MG/KG	0.046	0.45	5.6E-01	3.6E+00	Area 1	
Chromium	8/28/97	1190		MG/KG	0.26	2.7	2.1E+02	4.5E+02	Area 1	
Dibenzo(a,h)anthracene	8/28/97	0.25	J	MG/KG	0.046	0.45	5.6E-02	3.6E-01	Area 1	
Indeno(1,2,3-cd)pyrene	8/28/97	0.58		MG/KG	0.046	0.45	5.6E-01	3.6E+00	Area 1	
Iron	8/28/97	77900		MG/KG	5.9	27.4	*2.2E+03*	*1.0E+04*	Area 1	
Manganese	8/28/97	654	N	MG/KG	0.052	4.1	*3.1E+02*	*4.5E+03*	Area 1	
Nickel	8/28/97	402		MG/KG	0.27	10.9	*1.5E+02*	*3.7E+03*	Area 1	
Thallium	8/28/97	6.3		MG/KG	1.1	2.7	*5.2E-01*	*1.3E+01*	Area 1	
Vanadium	8/28/97	160		MG/KG	0.36	13.7	*5.2E+01*	*1.3E+03*	Area 1	

SAMPLE ID: SW1-1,0'-2'						Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/26/97	8630		MG/KG	13.5	49.1	*7.5E+03*	*1.0E+04*	Area 1	
Antimony	9/26/97	3.7	BN	MG/KG	1.2	14.7	*3.0E+00*	*7.5E+01*	Area 1	
Arsenic	9/26/97	17		MG/KG	1.1	2.5	3.8E-01	3.0E+00	Area 1	
Benzo(a)anthracene	9/26/97	1.7		MG/KG	0.041	0.4	5.6E-01	3.6E+00	Area 1	
Benzo(a)pyrene	9/26/97	1.5		MG/KG	0.041	0.4	5.6E-02	3.6E-01	Area 1	
Benzo(b)fluoranthene	9/26/97	1.4		MG/KG	0.041	0.4	5.6E-01	3.6E+00	Area 1	
Dibenzo(a,h)anthracene	9/26/97	0.44		MG/KG	0.041	0.4	5.6E-02	3.6E-01	Area 1	
Indeno(1,2,3-cd)pyrene	9/26/97	0.95		MG/KG	0.041	0.4	5.6E-01	3.6E+00	Area 1	
Iron	9/26/97	36600		MG/KG	5.3	24.6	*2.2E+03*	*1.0E+04*	Area 1	
SAMPLE ID: SW1-2,0'-2'							**Region IX PRGs**			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Arsenic	9/25/97	56.9		MG/KG	0.99	2.3	3.8E-01	3.0E+00	Area 1	
Benzo(a)pyrene	9/25/97	0.34	J	MG/KG	0.038	0.38	5.6E-02	3.6E-01	Area 1	
Benzo(b)fluoranthene	9/25/97	0.68		MG/KG	0.038	0.38	5.6E-01	3.6E+00	Area 1	
Dibenzo(a,h)anthracene	9/25/97	0.15	J	MG/KG	0.038	0.38	5.6E-02	3.6E-01	Area 1	
Iron	9/25/97	16100		MG/KG	5	23	*2.2E+03*	*1.0E+04*	Area 1	
SAMPLE ID: SW1-3,0'-2'							**Region IX PRGs**			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/24/97	9510		MG/KG	9	45	*7.5E+03*	*1.0E+04*	Area 1	
Aroclor-1260	9/24/97	0.5	C	MG/KG	0.011	0.19	2.0E-01	1.3E+00	Area 1	
Arsenic	9/24/97	14.8		MG/KG	1.1	2.2	3.8E-01	3.0E+00	Area 1	
Benzo(a)pyrene	9/24/97	0.34	J	MG/KG	0.037	0.37	5.6E-02	3.6E-01	Area 1	
Iron	9/24/97	46900		MG/KG	2.4	22.5	*2.2E+03*	*1.0E+04*	Area 1	
Manganese	9/24/97	525		MG/KG	0.043	3.4	*3.1E+02*	*4.5E+03*	Area 1	
Thallium	9/24/97	1	B	MG/KG	0.9	2.2	*5.2E-01*	*1.3E+01*	Area 1	
SAMPLE ID: SW1-4,0'-2'							**Region IX PRGs**			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Arsenic	9/23/97	11.6	*	MG/KG	1	2.3	3.8E-01	3.0E+00	Area 1	
Benzo(a)anthracene	9/23/97	0.8	J	MG/KG	0.12	1.2	5.6E-01	3.6E+00	Area 1	
Benzo(a)pyrene	9/23/97	1.7		MG/KG	0.12	1.2	5.6E-02	3.6E-01	Area 1	
Benzo(b)fluoranthene	9/23/97	0.68	J	MG/KG	0.12	1.2	5.6E-01	3.6E+00	Area 1	
Dibenzo(a,h)anthracene	9/23/97	0.27	J	MG/KG	0.12	1.2	5.6E-02	3.6E-01	Area 1	
Indeno(1,2,3-cd)pyrene	9/23/97	0.77	J	MG/KG	0.12	1.2	5.6E-01	3.6E+00	Area 1	
Iron	9/23/97	32900		MG/KG	5	23.2	*2.2E+03*	*1.0E+04*	Area 1	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: SW1-5,0'-2'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Arsenic	9/17/97	12.6	*	MG/KG	0.92	2.1	3.8E-01	3.0E+00	Area 1	
Benzo(a)anthracene	9/17/97	7.5	D	MG/KG	0.36	3.6	5.6E-01	3.6E+00	Area 1	
Benzo(a)pyrene	9/17/97	7.5	D	MG/KG	0.36	3.6	5.6E-02	3.6E-01	Area 1	
Benzo(b)fluoranthene	9/17/97	12	D	MG/KG	0.36	3.6	5.6E-01	3.6E+00	Area 1	
Chromium	9/17/97	291		MG/KG	0.28	2.1	2.1E+02	4.5E+02	Area 1	
Dibenzo(a,h)anthracene	9/17/97	1.4	B	MG/KG	0.036	0.35	5.6E-02	3.6E-01	Area 1	
Indeno(1,2,3-cd)pyrene	9/17/97	5.2	DB	MG/KG	0.36	3.6	5.6E-01	3.6E+00	Area 1	
Iron	9/17/97	25500		MG/KG	4.6	21.4	*2.2E+03*	*1.0E+04*	Area 1	
SAMPLE ID: SW1-6,0'-2'							**Region IX PRGs**			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/30/97	10900		MG/KG	12.2	44.3	*7.5E+03*	*1.0E+04*	Area 1	
Aroclor-1254	9/30/97	0.72	JC	MG/KG	0.22	1.8	2.0E-01	1.3E+00	Area 1	
Arsenic	9/30/97	23.9		MG/KG	1	2.2	3.8E-01	3.0E+00	Area 1	
Benzo(a)anthracene	9/30/97	14	D	MG/KG	0.74	7.4	5.6E-01	3.6E+00	Area 1	
Benzo(a)pyrene	9/30/97	9	D	MG/KG	0.74	7.4	5.6E-02	3.6E-01	Area 1	
Benzo(b)fluoranthene	9/30/97	9.8	D	MG/KG	0.74	7.4	5.6E-01	3.6E+00	Area 1	
Benzo(k)fluoranthene	9/30/97	8.2	D	MG/KG	0.74	7.4	5.6E+00	3.6E+01	Area 1	
Dibenzo(a,h)anthracene	9/30/97	0.19	J	MG/KG	0.037	0.37	5.6E-02	3.6E-01	Area 1	
Indeno(1,2,3-cd)pyrene	9/30/97	2.7		MG/KG	0.037	0.37	5.6E-01	3.6E+00	Area 1	
Iron	9/30/97	29400	*	MG/KG	4.4	22.2	*2.2E+03*	*1.0E+04*	Area 1	
Manganese	9/30/97	1950		MG/KG	0.047	3.3	*3.1E+02*	*4.5E+03*	Area 1	
Thallium	9/30/97	0.9	B	MG/KG	0.89	2.2	*5.2E-01*	*1.3E+01*	Area 1	
SAMPLE ID: SW1-7,0'-2'							**Region IX PRGs**			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/1/97	9980		MG/KG	12.1	44	*7.5E+03*	*1.0E+04*	Area 1	
Arsenic	10/1/97	11.7		MG/KG	0.95	2.2	3.8E-01	3.0E+00	Area 1	
Benzo(a)pyrene	10/1/97	0.12	J	MG/KG	0.037	0.37	5.6E-02	3.6E-01	Area 1	
Iron	10/1/97	23800		MG/KG	6.2	22	*2.2E+03*	*1.0E+04*	Area 1	

Table 5 - 2

Subsurface Soil Analytical Results Above Region IX Residential PRGs

SAMPLE ID: DUP4						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/10/97	12000	MG/KG	9.9	46.6	*7.5E+03*	*1.0E+04*	Area 7	Duplicate of SW7-3, 2'-16'
Arsenic	9/10/97	18.6	MG/KG	0.54	2.3	3.8E-01	3.0E+00	Area 7	Duplicate of SW7-3, 2'-16'
Iron	9/10/97	32800	MG/KG	7	23.3	*2.2E+03*	*1.0E+04*	Area 7	Duplicate of SW7-3, 2'-16'
Manganese	9/10/97	371	MG/KG	0.07	3.5	*3.1E+02*	*4.5E+03*	Area 7	Duplicate of SW7-3, 2'-16'
SAMPLE ID: SB7-1,32'-34'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/3/97	7920	MG/KG	12.7	63.8	*7.5E+03*	*1.0E+04*	Area 7	
Arsenic	9/3/97	2.8 B	MG/KG	1.5	3.2	3.8E-01	3.0E+00	Area 7	
Iron	9/3/97	7510	MG/KG	6.9	31.9	*2.2E+03*	*1.0E+04*	Area 7	
SAMPLE ID: SB7-2,2'-30'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/5/97	9910	MG/KG	6.1	45.1	*7.5E+03*	*1.0E+04*	Area 7	
Arsenic	9/5/97	13.9	MG/KG	0.97	2.3	3.8E-01	3.0E+00	Area 7	
Iron	9/5/97	28000	MG/KG	4.9	22.6	*2.2E+03*	*1.0E+04*	Area 7	
Manganese	9/5/97	426	MG/KG	0.047	3.4	*3.1E+02*	*4.5E+03*	Area 7	
SAMPLE ID: SW7-1,2'-29'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Iron	9/4/97	13300	MG/KG	11.4	52.9	*2.2E+03*	*1.0E+04*	Area 7	
Manganese	9/4/97	403	MG/KG	0.11	7.9	*3.1E+02*	*4.5E+03*	Area 7	
SAMPLE ID: SW7-1,32'-34'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	9/4/97	9850	MG/KG	10.5	52.5	*7.5E+03*	*1.0E+04*	Area 7	
Arsenic	9/4/97	17.2	MG/KG	1.2	2.6	3.8E-01	3.0E+00	Area 7	
Iron	9/4/97	24900	MG/KG	5.7	26.2	*2.2E+03*	*1.0E+04*	Area 7	
SAMPLE ID: SW7-2,2'-10'						*Region IX PRGs*			
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*AREA*	*COMMENT*
Aluminum	10/14/97	9810	MG/KG	5.7	47	*7.5E+03*	*1.0E+04*	Area 7	
Arsenic	10/14/97	13.5	MG/KG	0.92	2.4	3.8E-01	3.0E+00	Area 7	
Iron	10/14/97	29900	MG/KG	2.6	23.5	*2.2E+03*	*1.0E+04*	Area 7	
Thallium	10/14/97	2.6 N	MG/KG	0.94	2.4	*5.2E-01*	*1.3E+01*	Area 7	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: SW7-3,2'-16'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/10/97	8660	MG/KG	9.7	45.8	7.5E+03	1.0E+04	Area 7	
Arsenic	9/10/97	19.1	MG/KG	0.53	2.3	3.8E-01	3.0E+00	Area 7	
Iron	9/10/97	26800	MG/KG	6.8	22.9	2.2E+03	1.0E+04	Area 7	
SAMPLE ID: SW7-4,2'-40'						**Region IX PRGs**			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/8/97	10700	MG/KG	9.2	43.6	7.5E+03	1.0E+04	Area 7	
Arsenic	9/8/97	13.8	MG/KG	0.5	2.2	3.8E-01	3.0E+00	Area 7	
Iron	9/8/97	27600	MG/KG	6.5	21.8	2.2E+03	1.0E+04	Area 7	
Manganese	9/8/97	405	MG/KG	0.065	3.3	3.1E+02	4.5E+03	Area 7	
SAMPLE ID: DUP11						**Region IX PRGs**			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/1/97	12800	MG/KG	12.4	45.3	7.5E+03	1.0E+04	Area 3	Duplicate of SB3-1, 2'-34'
Arsenic	10/1/97	15.1	MG/KG	0.97	2.3	3.8E-01	3.0E+00	Area 3	Duplicate of SB3-1, 2'-34'
Iron	10/1/97	33200	MG/KG	6.4	22.6	2.2E+03	1.0E+04	Area 3	Duplicate of SB3-1, 2'-34'
Manganese	10/1/97	366	MG/KG	0.084	3.4	3.1E+02	4.5E+03	Area 3	Duplicate of SB3-1, 2'-34'
SAMPLE ID: SB3-1,2'-34'						**Region IX PRGs**			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/1/97	12300	MG/KG	12.6	45.9	7.5E+03	1.0E+04	Area 3	
Arsenic	10/1/97	15.3	MG/KG	0.99	2.3	3.8E-01	3.0E+00	Area 3	
Iron	10/1/97	32900	MG/KG	6.5	23	2.2E+03	1.0E+04	Area 3	
Manganese	10/1/97	372	MG/KG	0.085	3.4	3.1E+02	4.5E+03	Area 3	
SAMPLE ID: SB3-2,2'-40'						**Region IX PRGs**			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/29/97	13100	MG/KG	12.6	45.9	7.5E+03	1.0E+04	Area 3	
Arsenic	9/29/97	15.7	MG/KG	0.99	2.3	3.8E-01	3.0E+00	Area 3	
Iron	9/29/97	33200	MG/KG	5	23	2.2E+03	1.0E+04	Area 3	
Manganese	9/29/97	401 N*	MG/KG	0.085	3.4	3.1E+02	4.5E+03	Area 3	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: DUP10							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/30/97	8340		MG/KG	17.2	62.6	7.5E+03	1.0E+04	Area 5	Duplicate of PB5-1, 2'-16'
Arsenic	9/30/97	9		MG/KG	1.5	3.1	3.8E-01	3.0E+00	Area 5	Duplicate of PB5-1, 2'-16'
Benzo(a)pyrene	9/30/97	0.072	J	MG/KG	0.052	0.52	5.6E-02	3.6E-01	Area 5	Duplicate of PB5-1, 2'-16'
Iron	9/30/97	9180	*	MG/KG	6.2	31.3	2.2E+03	1.0E+04	Area 5	Duplicate of PB5-1, 2'-16'
SAMPLE ID: PB5-1,16'-31'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Arsenic	10/2/97	2.8	B	MG/KG	1.6	3.6	3.8E-01	3.0E+00	Area 5	
Barium	10/2/97	527		MG/KG	0.095	72.7	5.2E+02	1.0E+04	Area 5	
Iron	10/2/97	6000		MG/KG	10.3	36.4	2.2E+03	1.0E+04	Area 5	
SAMPLE ID: PB5-1,2'-16'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/30/97	11100		MG/KG	18.1	66	7.5E+03	1.0E+04	Area 5	
Arsenic	9/30/97	8.6		MG/KG	1.6	3.3	3.8E-01	3.0E+00	Area 5	
Benzo(a)pyrene	9/30/97	0.059	J	MG/KG	0.055	0.54	5.6E-02	3.6E-01	Area 5	
Iron	9/30/97	10400	*	MG/KG	6.6	33	2.2E+03	1.0E+04	Area 5	
SAMPLE ID: PB5-1,31'-33'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/2/97	13300		MG/KG	14.4	52.4	7.5E+03	1.0E+04	Area 5	
Arsenic	10/2/97	7.4		MG/KG	1.1	2.6	3.8E-01	3.0E+00	Area 5	
Iron	10/2/97	20400		MG/KG	7.4	26.2	2.2E+03	1.0E+04	Area 5	
Manganese	10/2/97	505		MG/KG	0.097	3.9	3.1E+02	4.5E+03	Area 5	

SAMPLE ID: DUP12						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/7/97	9090	MG/KG	13	47.4	7.5E+03	1.0E+04	Area 2	Duplicate of SW2-1, 2'-42'
Arsenic	10/7/97	14.3	MG/KG	1	2.4	3.8E-01	3.0E+00	Area 2	Duplicate of SW2-1, 2'-42'
Iron	10/7/97	27700	MG/KG	4.7	23.7	2.2E+03	1.0E+04	Area 2	Duplicate of SW2-1, 2'-42'
Thallium	10/7/97	1.7 B	MG/KG	0.95	2.4	5.2E-01	1.3E+01	Area 2	Duplicate of SW2-1, 2'-42'
SAMPLE ID: SW2-1,2'-42'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/7/97	10900	MG/KG	12.7	46.2	7.5E+03	1.0E+04	Area 2	
Arsenic	10/7/97	15.7	MG/KG	0.99	2.3	3.8E-01	3.0E+00	Area 2	
Benzo(a)pyrene	10/7/97	0.059 J	MG/KG	0.038	0.38	5.6E-02	3.6E-01	Area 2	
Iron	10/7/97	32000	MG/KG	4.6	23.1	2.2E+03	1.0E+04	Area 2	
Manganese	10/7/97	393 N	MG/KG	0.12	3.5	3.1E+02	4.5E+03	Area 2	
Thallium	10/7/97	2.5	MG/KG	0.92	2.3	5.2E-01	1.3E+01	Area 2	
SAMPLE ID: SW2-2,2'-34'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/7/97	10000	MG/KG	12.4	45.1	7.5E+03	1.0E+04	Area 2	
Arsenic	10/7/97	15.6	MG/KG	0.97	2.3	3.8E-01	3.0E+00	Area 2	
Iron	10/7/97	31600	MG/KG	4.5	22.6	2.2E+03	1.0E+04	Area 2	
Manganese	10/7/97	416 N	MG/KG	0.12	3.4	3.1E+02	4.5E+03	Area 2	
Thallium	10/7/97	2.6	MG/KG	0.9	2.3	5.2E-01	1.3E+01	Area 2	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: DUP6							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/15/97	17500		MG/KG	6.6	49	7.5E+03	1.0E+04	Area 4a	Duplicate of SW4-4, 2'-22'
Arsenic	9/15/97	82.7	*	MG/KG	1.1	2.4	3.8E-01	3.0E+00	Area 4a	Duplicate of SW4-4, 2'-22'
Iron	9/15/97	36100		MG/KG	5.3	24.5	2.2E+03	1.0E+04	Area 4a	Duplicate of SW4-4, 2'-22'
Thallium	9/15/97	4.1		MG/KG	1.6	2.4	5.2E-01	1.3E+01	Area 4a	Duplicate of SW4-4, 2'-22'
Vanadium	9/15/97	53.5		MG/KG	0.27	12.2	5.2E+01	1.3E+03	Area 4a	Duplicate of SW4-4, 2'-22'
SAMPLE ID: SB4-1,2'-20'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/12/97	13700		MG/KG	10.5	49.8	7.5E+03	1.0E+04	Area 4a	
Arsenic	9/12/97	16.5		MG/KG	0.57	2.5	3.8E-01	3.0E+00	Area 4a	
Benzo(a)anthracene	9/12/97	1.2		MG/KG	0.043	0.43	5.6E-01	3.6E+00	Area 4a	
Benzo(a)pyrene	9/12/97	1		MG/KG	0.043	0.43	5.6E-02	3.6E-01	Area 4a	
Benzo(b)fluoranthene	9/12/97	1.6		MG/KG	0.043	0.43	5.6E-01	3.6E+00	Area 4a	
Dibenzo(a,h)anthracene	9/12/97	0.2	J	MG/KG	0.043	0.43	5.6E-02	3.6E-01	Area 4a	
Indeno(1,2,3-cd)pyrene	9/12/97	0.7		MG/KG	0.043	0.43	5.6E-01	3.6E+00	Area 4a	
Iron	9/12/97	31300		MG/KG	7.4	24.9	2.2E+03	1.0E+04	Area 4a	
SAMPLE ID: SB4-1,22'-28'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Arsenic	9/12/97	9.3		MG/KG	1.2	5.1	3.8E-01	3.0E+00	Area 4a	
Benzo(a)anthracene	9/12/97	0.65	J	MG/KG	0.086	0.85	5.6E-01	3.6E+00	Area 4a	
Benzo(a)pyrene	9/12/97	0.64	J	MG/KG	0.086	0.85	5.6E-02	3.6E-01	Area 4a	
Benzo(b)fluoranthene	9/12/97	0.91		MG/KG	0.086	0.85	5.6E-01	3.6E+00	Area 4a	
Iron	9/12/97	9510		MG/KG	15.2	50.8	2.2E+03	1.0E+04	Area 4a	
Manganese	9/12/97	342		MG/KG	0.15	7.6	3.1E+02	4.5E+03	Area 4a	
SAMPLE ID: SB4-1,30'-46'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/12/97	11000		MG/KG	10.9	51.4	7.5E+03	1.0E+04	Area 4a	
Arsenic	9/12/97	13.3		MG/KG	0.59	2.6	3.8E-01	3.0E+00	Area 4a	
Iron	9/12/97	25900		MG/KG	7.7	25.7	2.2E+03	1.0E+04	Area 4a	
SAMPLE ID: SB4-2,2'-39'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/16/97	11700		MG/KG	6	44.3	7.5E+03	1.0E+04	Area 4a	
Arsenic	9/16/97	14.4	*	MG/KG	0.95	2.2	3.8E-01	3.0E+00	Area 4a	
Iron	9/16/97	30400		MG/KG	4.8	22.2	2.2E+03	1.0E+04	Area 4a	
Manganese	9/16/97	412	N*	MG/KG	0.047	3.3	3.1E+02	4.5E+03	Area 4a	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: SB4-3,2'-42'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/12/97	12600	MG/KG	9	42.5	7.5E+03	1.0E+04	Area 4a	
Arsenic	9/12/97	13	MG/KG	0.91	2.1	3.8E-01	3.0E+00	Area 4a	
Iron	9/12/97	30000	MG/KG	6.4	21.2	2.2E+03	1.0E+04	Area 4a	
Manganese	9/12/97	488	MG/KG	0.064	3.2	3.1E+02	4.5E+03	Area 4a	
SAMPLE ID: SB4-4,12'-14'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/3/97	19200	MG/KG	17	62	7.5E+03	1.0E+04	Area 4b	
Arsenic	10/3/97	25.6	MG/KG	1.3	3.1	3.8E-01	3.0E+00	Area 4b	
Chromium	10/3/97	2630	MG/KG	0.47	3.1	2.1E+02	4.5E+02	Area 4b	
Hexavalent Chromium by IC	10/3/97	786	MG/KG	16	81	3.0E+01	6.4E+01	Area 4b	
Iron	10/3/97	64900	MG/KG	8.7	31	2.2E+03	1.0E+04	Area 4b	
Manganese	10/3/97	617	MG/KG	0.11	4.7	3.1E+02	4.5E+03	Area 4b	
Nickel	10/3/97	277	MG/KG	0.59	12.4	1.5E+02	3.7E+03	Area 4b	
Vanadium	10/3/97	499	MG/KG	0.2	15.5	5.2E+01	1.3E+03	Area 4b	
SAMPLE ID: SB4-4,39'-42'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/6/97	8240	MG/KG	13.7	50	7.5E+03	1.0E+04	Area 4b	
Arsenic	10/6/97	14.1	MG/KG	1.1	2.5	3.8E-01	3.0E+00	Area 4b	
Iron	10/6/97	22800	MG/KG	7	25	2.2E+03	1.0E+04	Area 4b	
SAMPLE ID: SW4-1,2'-24'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/11/97	9220	MG/KG	28	132	7.5E+03	1.0E+04	Area 4b	
Arsenic	9/11/97	7.8	MG/KG	2.8	6.6	3.8E-01	3.0E+00	Area 4b	
Iron	9/11/97	13000	MG/KG	19.8	66.2	2.2E+03	1.0E+04	Area 4b	
Manganese	9/11/97	1210	MG/KG	0.2	9.9	3.1E+02	4.5E+03	Area 4b	
SAMPLE ID: SW4-1,24'-36'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/11/97	9000	MG/KG	10.9	51.5	7.5E+03	1.0E+04	Area 4b	
Arsenic	9/11/97	13.2	MG/KG	1.1	2.6	3.8E-01	3.0E+00	Area 4b	
Iron	9/11/97	22200	MG/KG	7.7	25.7	2.2E+03	1.0E+04	Area 4b	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: SW4-2,2'-48'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/2/97	8880		MG/KG	18.8	68.5	7.5E+03	1.0E+04	Area 4b	
Arsenic	10/2/97	4.1		MG/KG	1.6	3.4	3.8E-01	3.0E+00	Area 4b	
Benzene	10/2/97	1200	D	MG/KG	11	110	6.2E-01	1.4E+00	Area 4b	
Iron	10/2/97	10500	*	MG/KG	6.8	34.2	2.2E+03	1.0E+04	Area 4b	
Manganese	10/2/97	438		MG/KG	0.072	5.1	3.1E+02	4.5E+03	Area 4b	
Toluene	10/2/97	720	D	MG/KG	11	110	5.2E+02	5.2E+02	Area 4b	
Xylene (total)	10/2/97	250		MG/KG	2.1	22	2.1E+02	2.1E+02	Area 4b	
SAMPLE ID: SW4-2,42'-44'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Benzene	10/2/97	2200	ED	MG/KG	9.2	92	6.2E-01	1.4E+00	Area 4b	
Toluene	10/2/97	820	D	MG/KG	9.2	92	5.2E+02	5.2E+02	Area 4b	
Xylene (total)	10/2/97	280		MG/KG	1.8	18	2.1E+02	2.1E+02	Area 4b	
SAMPLE ID: SW4-2,48'-53'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
2-Methylnaphthalene	10/2/97	93	JD	MG/KG	39	200	5.5E+00	1.9E+01	Area 4b	
4-Chloroaniline	10/2/97	300	E	MG/KG	0.39	3.9	2.2E+01	4.3E+02	Area 4b	
Arsenic	10/2/97	11.4		MG/KG	1.1	2.4	3.8E-01	3.0E+00	Area 4b	
Benzene	10/2/97	2300	D	MG/KG	15	150	6.2E-01	1.4E+00	Area 4b	
Iron	10/2/97	10200	*	MG/KG	4.7	23.7	2.2E+03	1.0E+04	Area 4b	
Naphthalene	10/2/97	1400	D	MG/KG	20	200	5.5E+00	1.9E+01	Area 4b	
Nitrobenzene	10/2/97	2.7	J	MG/KG	0.39	3.9	1.6E+00	1.0E+01	Area 4b	
Toluene	10/2/97	990	D	MG/KG	15	150	5.2E+02	5.2E+02	Area 4b	
Xylene (total)	10/2/97	350		MG/KG	1.5	15	2.1E+02	2.1E+02	Area 4b	
SAMPLE ID: SW4-3,14'-45'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/16/97	10400		MG/KG	5.9	43.5	7.5E+03	1.0E+04	Area 4a	
Arsenic	9/16/97	13.1	*	MG/KG	0.94	2.2	3.8E-01	3.0E+00	Area 4a	
Iron	9/16/97	29300		MG/KG	4.7	21.8	2.2E+03	1.0E+04	Area 4a	
Manganese	9/16/97	405	N*	MG/KG	0.046	3.3	3.1E+02	4.5E+03	Area 4a	
SAMPLE ID: SW4-3,2'-14'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/16/97	11500		MG/KG	10.6	50.1	7.5E+03	1.0E+04	Area 4a	
Arsenic	9/16/97	32.5		MG/KG	1.1	2.5	3.8E-01	3.0E+00	Area 4a	
Iron	9/16/97	30300	*	MG/KG	7.5	25	2.2E+03	1.0E+04	Area 4a	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: SW4-4,2'-22'						Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/15/97	19900		MG/KG	6.5	48.1	7.5E+03	1.0E+04	Area 4a	
Arsenic	9/15/97	103	*	MG/KG	1	2.4	3.8E-01	3.0E+00	Area 4a	
Iron	9/15/97	29500		MG/KG	5.2	24	2.2E+03	1.0E+04	Area 4a	
Thallium	9/15/97	4.1		MG/KG	1.6	2.4	5.2E-01	1.3E+01	Area 4a	
Vanadium	9/15/97	71.6		MG/KG	0.26	12	5.2E+01	1.3E+03	Area 4a	
SAMPLE ID: SW4-5,2'-6'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/6/97	16200		MG/KG	12.7	46.5	7.5E+03	1.0E+04	Area 4b	
Arsenic	10/6/97	144		MG/KG	1	2.3	3.8E-01	3.0E+00	Area 4b	
Iron	10/6/97	24000		MG/KG	6.6	23.3	2.2E+03	1.0E+04	Area 4b	
Thallium	10/6/97	2.6		MG/KG	1.3	2.3	5.2E-01	1.3E+01	Area 4b	
SAMPLE ID: SW4-5,23'-26'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/6/97	9090		MG/KG	14.7	53.6	7.5E+03	1.0E+04	Area 4b	
Arsenic	10/6/97	13.9		MG/KG	1.2	2.7	3.8E-01	3.0E+00	Area 4b	
Iron	10/6/97	23500		MG/KG	7.6	26.8	2.2E+03	1.0E+04	Area 4b	
SAMPLE ID: SW4-5,8'-23'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/6/97	15100		MG/KG	46.3	169	7.5E+03	1.0E+04	Area 4b	
Arsenic	10/6/97	58.2		MG/KG	3.6	8.4	3.8E-01	3.0E+00	Area 4b	
Iron	10/6/97	21000		MG/KG	23.8	84.4	2.2E+03	1.0E+04	Area 4b	
Manganese	10/6/97	1730		MG/KG	0.31	12.7	3.1E+02	4.5E+03	Area 4b	

SAMPLE ID: DUP7							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/23/97	12300		MG/KG	12.4	45.3	7.5E+03	1.0E+04	Area 1	Duplicate of SB1-2, 2'-74'
Arsenic	9/23/97	13.1	*	MG/KG	0.97	2.3	3.8E-01	3.0E+00	Area 1	Duplicate of SB1-2, 2'-74'
Iron	9/23/97	27500		MG/KG	4.9	22.6	2.2E+03	1.0E+04	Area 1	Duplicate of SB1-2, 2'-74'
Manganese	9/23/97	325		MG/KG	0.048	3.4	3.1E+02	4.5E+03	Area 1	Duplicate of SB1-2, 2'-74'
SAMPLE ID: SB1-1,2'-65'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/18/97	13000		MG/KG	9.5	44.8	7.5E+03	1.0E+04	Area 1	
Arsenic	9/18/97	16.1		MG/KG	0.96	2.2	3.8E-01	3.0E+00	Area 1	
Iron	9/18/97	35200	*	MG/KG	6.7	22.4	2.2E+03	1.0E+04	Area 1	
Manganese	9/18/97	408	N*	MG/KG	0.067	3.4	3.1E+02	4.5E+03	Area 1	
SAMPLE ID: SB1-2,2'-74'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/23/97	11700		MG/KG	12.3	44.9	7.5E+03	1.0E+04	Area 1	
Arsenic	9/23/97	13	*	MG/KG	0.97	2.2	3.8E-01	3.0E+00	Area 1	
Iron	9/23/97	26800		MG/KG	4.8	22.4	2.2E+03	1.0E+04	Area 1	
Manganese	9/23/97	332		MG/KG	0.047	3.4	3.1E+02	4.5E+03	Area 1	
SAMPLE ID: SB1-3,2'-71'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/18/97	11400		MG/KG	12.4	45.3	7.5E+03	1.0E+04	Area 1	
Arsenic	9/18/97	14.6	*	MG/KG	0.97	2.3	3.8E-01	3.0E+00	Area 1	
Iron	9/18/97	31500		MG/KG	4.9	22.6	2.2E+03	1.0E+04	Area 1	
Manganese	9/18/97	423		MG/KG	0.048	3.4	3.1E+02	4.5E+03	Area 1	
SAMPLE ID: SW1-1,2'-40'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/26/97	13100		MG/KG	13.3	48.4	7.5E+03	1.0E+04	Area 1	
Arsenic	9/26/97	15.4		MG/KG	1	2.4	3.8E-01	3.0E+00	Area 1	
Iron	9/26/97	30500		MG/KG	5.2	24.2	2.2E+03	1.0E+04	Area 1	
SAMPLE ID: SW1-2,2'-4'							Region IX PRGs			
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Arsenic	9/25/97	27.8		MG/KG	1.1	2.5	3.8E-01	3.0E+00	Area 1	
Benzo(a)pyrene	9/25/97	0.089	J	MG/KG	0.042	0.41	5.6E-02	3.6E-01	Area 1	
Dibenzo(a,h)anthracene	9/25/97	0.059	J	MG/KG	0.042	0.41	5.6E-02	3.6E-01	Area 1	
Iron	9/25/97	12600		MG/KG	5.4	24.9	2.2E+03	1.0E+04	Area 1	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: SW1-3,2'-36'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/25/97	11900	MG/KG	9.4	46.9	7.5E+03	1.0E+04	Area 1	
Arsenic	9/25/97	16.5	MG/KG	1.1	2.3	3.8E-01	3.0E+00	Area 1	
Iron	9/25/97	34900	MG/KG	2.5	23.5	2.2E+03	1.0E+04	Area 1	
Manganese	9/25/97	373	MG/KG	0.045	3.5	3.1E+02	4.5E+03	Area 1	
Thallium	9/25/97	1.6 B	MG/KG	0.94	2.3	5.2E-01	1.3E+01	Area 1	
SAMPLE ID: SW1-4,2'-42'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/24/97	10000	MG/KG	12.3	44.8	7.5E+03	1.0E+04	Area 1	
Arsenic	9/24/97	14.9	MG/KG	0.96	2.2	3.8E-01	3.0E+00	Area 1	
Iron	9/24/97	30900	MG/KG	6.3	22.4	2.2E+03	1.0E+04	Area 1	
Manganese	9/24/97	361	MG/KG	0.083	3.4	3.1E+02	4.5E+03	Area 1	
SAMPLE ID: SW1-5,2'-40'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/17/97	12900	MG/KG	6.1	45	7.5E+03	1.0E+04	Area 1	
Arsenic	9/17/97	13.3 *	MG/KG	0.97	2.3	3.8E-01	3.0E+00	Area 1	
Iron	9/17/97	30600	MG/KG	4.9	22.5	2.2E+03	1.0E+04	Area 1	
Manganese	9/17/97	355 N*	MG/KG	0.047	3.4	3.1E+02	4.5E+03	Area 1	
SAMPLE ID: SW1-6,2'-20'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	9/30/97	9860	MG/KG	12.9	47	7.5E+03	1.0E+04	Area 1	
Arsenic	9/30/97	14.1	MG/KG	1	2.4	3.8E-01	3.0E+00	Area 1	
Benzo(a)pyrene	9/30/97	0.19 J	MG/KG	0.039	0.39	5.6E-02	3.6E-01	Area 1	
Iron	9/30/97	28200	MG/KG	5.1	23.5	2.2E+03	1.0E+04	Area 1	
Manganese	9/30/97	396 N*	MG/KG	0.087	3.5	3.1E+02	4.5E+03	Area 1	
SAMPLE ID: SW1-7,2'-36'						Region IX PRGs			
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Residential	Industrial	AREA	COMMENT
Aluminum	10/1/97	12100	MG/KG	12.8	46.6	7.5E+03	1.0E+04	Area 1	
Arsenic	10/1/97	13.7	MG/KG	1	2.3	3.8E-01	3.0E+00	Area 1	
Iron	10/1/97	32200	MG/KG	6.6	23.3	2.2E+03	1.0E+04	Area 1	
Manganese	10/1/97	373	MG/KG	0.086	3.5	3.1E+02	4.5E+03	Area 1	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

Table 5 - 3

Groundwater Analytical Results Greater Than Region IX Tap Water PRGs or MDLs (for no PRGs)

SAMPLE ID: GWDUP7						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Aldrin	10/23/97	0.0045 JP	UG/L	0.004	0.1	4.0E-03	Area 7	Duplicate of SW7-3
Antimony	10/23/97	4.9 B	UG/L	3.8	60	*1.5E+00*	Area 7	Duplicate of SW7-3
Calcium	10/23/97	173000	UG/L	31.5	5000	0.0E+00	Area 7	Duplicate of SW7-3
Dieldrin	10/23/97	0.046 J	UG/L	0.03	0.2	4.2E-03	Area 7	Duplicate of SW7-3
Magnesium	10/23/97	29800	UG/L	20.1	5000	0.0E+00	Area 7	Duplicate of SW7-3
Manganese	10/23/97	1320 N	UG/L	0.51	15	*1.7E+02*	Area 7	Duplicate of SW7-3
Potassium	10/23/97	4000 BE	UG/L	65.3	5000	0.0E+00	Area 7	Duplicate of SW7-3
Sodium	10/23/97	155000	UG/L	2070	50000	0.0E+00	Area 7	Duplicate of SW7-3
SAMPLE ID: SW7-2						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Arsenic	10/23/97	8.4 B	UG/L	3.9	10	4.5E-02	Area 7	
Benzene	10/23/97	3 J	UG/L	1	10	3.9E-01	Area 7	
Calcium	10/23/97	387000	UG/L	31.5	5000	0.0E+00	Area 7	
Iron	10/23/97	3010	UG/L	11.1	100	*1.1E+03*	Area 7	
Magnesium	10/23/97	127000	UG/L	20.1	5000	0.0E+00	Area 7	
Manganese	10/23/97	1760 N	UG/L	0.51	15	*1.7E+02*	Area 7	
Potassium	10/23/97	26600 E	UG/L	65.3	5000	0.0E+00	Area 7	
Sodium	10/23/97	296000	UG/L	2070	50000	0.0E+00	Area 7	
Thallium	10/23/97	7.9 BN	UG/L	4	10	*2.6E-01*	Area 7	
SAMPLE ID: SW7-3						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Aldrin	10/23/97	0.0065 JP	UG/L	0.004	0.1	4.0E-03	Area 7	
Arsenic	10/23/97	9 B	UG/L	3.9	10	4.5E-02	Area 7	
Calcium	10/23/97	171000	UG/L	31.5	5000	0.0E+00	Area 7	
Dieldrin	10/23/97	0.062 J	UG/L	0.03	0.2	4.2E-03	Area 7	
Magnesium	10/23/97	29400	UG/L	20.1	5000	0.0E+00	Area 7	
Manganese	10/23/97	1310 N	UG/L	0.51	15	*1.7E+02*	Area 7	
Potassium	10/23/97	3980 BE	UG/L	65.3	5000	0.0E+00	Area 7	
Sodium	10/23/97	154000	UG/L	2070	50000	0.0E+00	Area 7	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: SW7-4						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Barium	10/23/97	1360	UG/L	0.18	200	*2.6E+02*	Area 7	
Calcium	10/23/97	989000	UG/L	662	100000	0.0E+00	Area 7	
Chromium	10/23/97	1.2 B	UG/L	0.68	10	0.0E+00	Area 7	
Iron	10/23/97	4260	UG/L	11.1	100	*1.1E+03*	Area 7	
Magnesium	10/23/97	186000	UG/L	20.1	5000	0.0E+00	Area 7	
Manganese	10/23/97	3850	UG/L	0.51	15	*1.7E+02*	Area 7	
Potassium	10/23/97	30800	UG/L	19.4	5000	0.0E+00	Area 7	
Sodium	10/23/97	877000	UG/L	4140	100000	0.0E+00	Area 7	

SAMPLE ID: CL3-1							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Cadmium	9/24/97	3.4	B	UG/L	0.89	5	*1.8E+00*	Area 3	
Calcium	9/24/97	2260000		UG/L	1660	250000	0.0E+00	Area 3	
Magnesium	9/24/97	585000		UG/L	20.1	5000	0.0E+00	Area 3	
Manganese	9/24/97	251		UG/L	0.51	15	*1.7E+02*	Area 3	
Potassium	9/24/97	31600		UG/L	65.3	5000	0.0E+00	Area 3	
Sodium	9/24/97	2850000		UG/L	20700	500000	0.0E+00	Area 3	
SAMPLE ID: CL3-2							**Region IX PRGs**		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
bis(2-Ethylhexyl)phthalate	9/24/97	19	B	UG/L	1	10	4.8E+00	Area 3	
Cadmium	9/24/97	2.7	B	UG/L	0.89	5	*1.8E+00*	Area 3	
Calcium	9/24/97	1750000		UG/L	3310	500000	0.0E+00	Area 3	
Chromium	9/24/97	2.2	B	UG/L	1.5	10	0.0E+00	Area 3	
Magnesium	9/24/97	345000		UG/L	20.1	5000	0.0E+00	Area 3	
Manganese	9/24/97	986		UG/L	0.51	15	*1.7E+02*	Area 3	
Methylene Chloride	9/24/97	6	JB	UG/L	2	10	4.3E+00	Area 3	
Potassium	9/24/97	23900	B	UG/L	6530	500000	0.0E+00	Area 3	
Sodium	9/24/97	10400000		UG/L	104000	2500000	0.0E+00	Area 3	
SAMPLE ID: CL3-3							**Region IX PRGs**		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Calcium	9/24/97	931000		UG/L	828	125000	0.0E+00	Area 3	
Chromium	9/24/97	3.4	B	UG/L	1.5	10	0.0E+00	Area 3	
Iron	9/24/97	5370		UG/L	11.1	100	*1.1E+03*	Area 3	
Magnesium	9/24/97	325000		UG/L	20.1	5000	0.0E+00	Area 3	
Manganese	9/24/97	1230		UG/L	0.51	15	*1.7E+02*	Area 3	
Potassium	9/24/97	26100		UG/L	65.3	5000	0.0E+00	Area 3	
Sodium	9/24/97	1930000		UG/L	20700	500000	0.0E+00	Area 3	

SAMPLE ID: CL3-4							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Aldrin	9/24/97	0.035	JP	UG/L	0.002	0.05	4.0E-03	Area 3	
Cadmium	9/24/97	4.9	B	UG/L	0.89	5	*1.8E+00*	Area 3	
Calcium	9/24/97	885000		UG/L	828	125000	0.0E+00	Area 3	
Chromium	9/24/97	2.6	B	UG/L	1.5	10	0.0E+00	Area 3	
Magnesium	9/24/97	236000		UG/L	20.1	5000	0.0E+00	Area 3	
Manganese	9/24/97	460		UG/L	0.51	15	*1.7E+02*	Area 3	
Potassium	9/24/97	20900		UG/L	65.3	5000	0.0E+00	Area 3	
Sodium	9/24/97	2060000		UG/L	20700	500000	0.0E+00	Area 3	
SAMPLE ID: CL3-5							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Calcium	9/24/97	444000		UG/L	33.1	5000	0.0E+00	Area 3	
Dieldrin	9/24/97	0.02	J	UG/L	0.015	0.1	4.2E-03	Area 3	
Magnesium	9/24/97	123000		UG/L	20.1	5000	0.0E+00	Area 3	
Potassium	9/24/97	10900		UG/L	65.3	5000	0.0E+00	Area 3	
Sodium	9/24/97	744000		UG/L	4140	100000	0.0E+00	Area 3	
SAMPLE ID: CL3-6							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
bis(2-Ethylhexyl)phthalate	9/24/97	31	B	UG/L	1	10	4.8E+00	Area 3	
Calcium	9/24/97	523000		UG/L	662	100000	0.0E+00	Area 3	
Magnesium	9/24/97	105000		UG/L	20.1	5000	0.0E+00	Area 3	
Potassium	9/24/97	5530		UG/L	65.3	5000	0.0E+00	Area 3	
Sodium	9/24/97	95500	B	UG/L	4140	100000	0.0E+00	Area 3	
SAMPLE ID: GWDUP2							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Cadmium	9/24/97	4.3	B	UG/L	0.89	5	*1.8E+00*	Area 3	Duplicate of CL3-1
Calcium	9/24/97	2170000		UG/L	1660	250000	0.0E+00	Area 3	Duplicate of CL3-1
Chromium	9/24/97	2.5	B	UG/L	1.5	10	0.0E+00	Area 3	Duplicate of CL3-1
Magnesium	9/24/97	580000		UG/L	20.1	5000	0.0E+00	Area 3	Duplicate of CL3-1
Manganese	9/24/97	246		UG/L	0.51	15	*1.7E+02*	Area 3	Duplicate of CL3-1
Potassium	9/24/97	31600		UG/L	65.3	5000	0.0E+00	Area 3	Duplicate of CL3-1
Sodium	9/24/97	2770000		UG/L	20700	500000	0.0E+00	Area 3	Duplicate of CL3-1

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: CL5-1						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
4,4'-DDE	10/1/97	0.89	UG/L	0.013	0.1	2.0E-01	Area 5	
Benzene	10/1/97	2 J	UG/L	1	10	3.9E-01	Area 5	
bis(2-Ethylhexyl)phthalate	10/1/97	15	UG/L	1	10	4.8E+00	Area 5	
Calcium	10/1/97	1400000	UG/L	742	50000	0.0E+00	Area 5	
Chromium	10/1/97	37.8	UG/L	3.6	10	0.0E+00	Area 5	
Cyanide	10/1/97	99.3	UG/L	10	10	*7.3E+01*	Area 5	
Hexavalent Chromium (water)	10/1/97	43	UG/L	5	15	*1.8E+01*	Area 5	
Magnesium	10/1/97	43.2 B	UG/L	25.5	5000	0.0E+00	Area 5	
Potassium	10/1/97	78500	UG/L	3990	50000	0.0E+00	Area 5	
Sodium	10/1/97	1440000	UG/L	1640	50000	0.0E+00	Area 5	
SAMPLE ID: CL5-2						**Region IX PRGs**		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Arsenic	10/1/97	5.8 B	UG/L	3.8	10	4.5E-02	Area 5	
Calcium	10/1/97	425000	UG/L	74.2	5000	0.0E+00	Area 5	
Chromium	10/1/97	26.3	UG/L	3.6	10	0.0E+00	Area 5	
Cyanide	10/1/97	101	UG/L	10	10	*7.3E+01*	Area 5	
Magnesium	10/1/97	8280	UG/L	25.5	5000	0.0E+00	Area 5	
Manganese	10/1/97	329	UG/L	0.21	15	*1.7E+02*	Area 5	
Potassium	10/1/97	44400	UG/L	399	5000	0.0E+00	Area 5	
Sodium	10/1/97	1280000	UG/L	1640	50000	0.0E+00	Area 5	
SAMPLE ID: GWDUP3						**Region IX PRGs**		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Arsenic	10/1/97	6.9 BN	UG/L	4.3	10	4.5E-02	Area 5	Duplicate of CL5-2
Calcium	10/1/97	455000	UG/L	31.5	5000	0.0E+00	Area 5	Duplicate of CL5-2
Chromium	10/1/97	21.4 E	UG/L	0.58	10	0.0E+00	Area 5	Duplicate of CL5-2
Cyanide	10/1/97	99.7	UG/L	10	10	*7.3E+01*	Area 5	Duplicate of CL5-2
Iron	10/1/97	1130	UG/L	19.9	100	*1.1E+03*	Area 5	Duplicate of CL5-2
Magnesium	10/1/97	8610	UG/L	25.5	5000	0.0E+00	Area 5	Duplicate of CL5-2
Manganese	10/1/97	342	UG/L	0.51	15	*1.7E+02*	Area 5	Duplicate of CL5-2
Potassium	10/1/97	42700 E	UG/L	29	5000	0.0E+00	Area 5	Duplicate of CL5-2
Sodium	10/1/97	1390000	UG/L	20700	500000	0.0E+00	Area 5	Duplicate of CL5-2

SAMPLE ID: GWDUP5							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Arsenic	10/21/97	8.6	B	UG/L	4.3	10	4.5E-02	Area 2	Duplicate of SW2-1
bis(2-Ethylhexyl)phthalate	10/21/97	6	J	UG/L	1	10	4.8E+00	Area 2	Duplicate of SW2-1
Calcium	10/21/97	434000		UG/L	31.5	5000	0.0E+00	Area 2	Duplicate of SW2-1
Magnesium	10/21/97	177000		UG/L	25.5	5000	0.0E+00	Area 2	Duplicate of SW2-1
Manganese	10/21/97	190	*	UG/L	0.51	15	*1.7E+02*	Area 2	Duplicate of SW2-1
Potassium	10/21/97	11900		UG/L	19.4	5000	0.0E+00	Area 2	Duplicate of SW2-1
Sodium	10/21/97	207000		UG/L	2070	50000	0.0E+00	Area 2	Duplicate of SW2-1
SAMPLE ID: SW2-1							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Antimony	10/21/97	7	B	UG/L	3.8	60	*1.5E+00*	Area 2	
Arsenic	10/21/97	10.2		UG/L	4.3	10	4.5E-02	Area 2	
Calcium	10/21/97	309000		UG/L	31.5	5000	0.0E+00	Area 2	
Magnesium	10/21/97	118000		UG/L	25.5	5000	0.0E+00	Area 2	
Manganese	10/21/97	230	*	UG/L	0.51	15	*1.7E+02*	Area 2	
Potassium	10/21/97	15900		UG/L	19.4	5000	0.0E+00	Area 2	
Sodium	10/21/97	160000		UG/L	2070	50000	0.0E+00	Area 2	
SAMPLE ID: SW2-2							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Arsenic	10/21/97	15		UG/L	4.3	10	4.5E-02	Area 2	
bis(2-Ethylhexyl)phthalate	10/21/97	5	J	UG/L	1	10	4.8E+00	Area 2	
Calcium	10/21/97	195000		UG/L	31.5	5000	0.0E+00	Area 2	
Chloroform	10/21/97	1	J	UG/L	1	10	1.6E-01	Area 2	
Chromium	10/21/97	0.7	B	UG/L	0.68	10	0.0E+00	Area 2	
Magnesium	10/21/97	79100		UG/L	25.5	5000	0.0E+00	Area 2	
Manganese	10/21/97	536	*	UG/L	0.51	15	*1.7E+02*	Area 2	
Potassium	10/21/97	11200		UG/L	19.4	5000	0.0E+00	Area 2	
Sodium	10/21/97	160000		UG/L	2070	50000	0.0E+00	Area 2	

SAMPLE ID: GWDUP6						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
4-Methylphenol	10/23/97	23	UG/L	2	10	*1.8E+01*	Area 4b	Duplicate of SW4-1
Benzene	10/23/97	7 J	UG/L	1	10	3.9E-01	Area 4b	Duplicate of SW4-1
bis(2-Ethylhexyl)phthalate	10/23/97	7 J	UG/L	1	10	4.8E+00	Area 4b	Duplicate of SW4-1
Calcium	10/23/97	565000	UG/L	33.1	5000	0.0E+00	Area 4b	Duplicate of SW4-1
Chloroform	10/23/97	2 J	UG/L	1	10	1.6E-01	Area 4b	Duplicate of SW4-1
Chromium	10/23/97	1.5 B	UG/L	0.68	10	0.0E+00	Area 4b	Duplicate of SW4-1
Magnesium	10/23/97	22.6 B	UG/L	20.1	5000	0.0E+00	Area 4b	Duplicate of SW4-1
Naphthalene	10/23/97	54	UG/L	1	10	*6.2E-01*	Area 4b	Duplicate of SW4-1
Potassium	10/23/97	15200	UG/L	19.4	5000	0.0E+00	Area 4b	Duplicate of SW4-1
Sodium	10/23/97	186000	UG/L	1040	25000	0.0E+00	Area 4b	Duplicate of SW4-1
Thallium	10/23/97	5.8 B	UG/L	4	10	*2.6E-01*	Area 4b	Duplicate of SW4-1
SAMPLE ID: SW4-1						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Benzene	10/23/97	6 J	UG/L	1	10	3.9E-01	Area 4b	
Calcium	10/23/97	562000	UG/L	33.1	5000	0.0E+00	Area 4b	
Chromium	10/23/97	1.5 B	UG/L	0.68	10	0.0E+00	Area 4b	
Naphthalene	10/23/97	25	UG/L	1	10	*6.2E-01*	Area 4b	
Potassium	10/23/97	16700	UG/L	19.4	5000	0.0E+00	Area 4b	
Sodium	10/23/97	190000	UG/L	1040	25000	0.0E+00	Area 4b	
SAMPLE ID: SW4-4						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Antimony	10/23/97	13 B	UG/L	3.8	60	*1.5E+00*	Area 4a	
Arsenic	10/23/97	166	UG/L	3.9	10	4.5E-02	Area 4a	
Calcium	10/23/97	533000	UG/L	33.1	5000	0.0E+00	Area 4a	
Chromium	10/23/97	2.1 B	UG/L	0.68	10	0.0E+00	Area 4a	
Magnesium	10/23/97	8930	UG/L	20.1	5000	0.0E+00	Area 4a	
Potassium	10/23/97	148000	UG/L	194	50000	0.0E+00	Area 4a	
Selenium	10/23/97	213	UG/L	3.1	5	*1.8E+01*	Area 4a	
Sodium	10/23/97	183000	UG/L	2070	50000	0.0E+00	Area 4a	
Thallium	10/23/97	15.6	UG/L	4	10	*2.6E-01*	Area 4a	
Vanadium	10/23/97	113	UG/L	0.64	50	*2.6E+01*	Area 4a	

SAMPLE ID: ASRMW-1						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Calcium	9/22/97	787000	UG/L	626	100000	0.0E+00	Area 1	
Magnesium	9/22/97	287000	UG/L	18	5000	0.0E+00	Area 1	
Manganese	9/22/97	3410	UG/L	0.19	15	*1.7E+02*	Area 1	
Methylene Chloride	9/22/97	5 JB	UG/L	2	10	4.3E+00	Area 1	
Potassium	9/22/97	17800 E	UG/L	20.6	5000	0.0E+00	Area 1	
Sodium	9/22/97	781000	UG/L	4400	100000	0.0E+00	Area 1	
Thallium	9/22/97	4.7 B	UG/L	4	10	*2.6E-01*	Area 1	
SAMPLE ID: ASRMW-2						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Calcium	9/22/97	1430000	UG/L	3130	500000	0.0E+00	Area 1	
Magnesium	9/22/97	445000	UG/L	18	5000	0.0E+00	Area 1	
Manganese	9/22/97	4730	UG/L	0.19	15	*1.7E+02*	Area 1	
Potassium	9/22/97	41500 E	UG/L	20.6	5000	0.0E+00	Area 1	
Sodium	9/22/97	3560000	UG/L	22000	500000	0.0E+00	Area 1	
Total Organic Carbon	9/22/97	830 J	UG/L	300	1000	0.0E+00	Area 1	
SAMPLE ID: ASRMW-3						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Calcium	9/22/97	177000	UG/L	31.3	5000	0.0E+00	Area 1	
Magnesium	9/22/97	63800	UG/L	18	5000	0.0E+00	Area 1	
Manganese	9/22/97	532	UG/L	0.19	15	*1.7E+02*	Area 1	
Methylene Chloride	9/22/97	5 JB	UG/L	2	10	4.3E+00	Area 1	
Potassium	9/22/97	22600 E	UG/L	20.6	5000	0.0E+00	Area 1	
Sodium	9/22/97	180000	UG/L	2200	50000	0.0E+00	Area 1	
SAMPLE ID: ASRMW-4						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Aldrin	9/17/97	0.0065 JP	UG/L	0.004	0.1	4.0E-03	Area 1	
Calcium	9/17/97	223000	UG/L	31.3	5000	0.0E+00	Area 1	
Magnesium	9/17/97	98500	UG/L	18	5000	0.0E+00	Area 1	
Manganese	9/17/97	727	UG/L	0.19	15	*1.7E+02*	Area 1	
Potassium	9/17/97	9160 E	UG/L	20.6	5000	0.0E+00	Area 1	
Sodium	9/17/97	165000	UG/L	2200	50000	0.0E+00	Area 1	

SAMPLE ID: ASRMW-5						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
1,2,4-Trichlorobenzene	9/18/97	41	UG/L	1	10	*1.9E+01*	Area 1	
1,4-Dichlorobenzene	9/18/97	39	UG/L	1	10	4.7E-01	Area 1	
2,4-Dinitrotoluene	9/18/97	46	UG/L	1	10	*7.3E+00*	Area 1	
2-Chlorophenol	9/18/97	76	UG/L	1	10	*3.8E+00*	Area 1	
4-Chloro-3-methylphenol	9/18/97	73	UG/L	1	10	0.0E+00	Area 1	
Acenaphthene	9/18/97	46	UG/L	1	10	*3.7E+01*	Area 1	
Calcium	9/18/97	432000	UG/L	31.3	5000	0.0E+00	Area 1	
Magnesium	9/18/97	187000	UG/L	18	5000	0.0E+00	Area 1	
Manganese	9/18/97	2520	UG/L	0.19	15	*1.7E+02*	Area 1	
N-Nitroso-di-n-propylamine	9/18/97	52	UG/L	1	10	9.6E-03	Area 1	
Pentachlorophenol	9/18/97	73	UG/L	2	25	5.6E-01	Area 1	
Potassium	9/18/97	12100 E	UG/L	20.6	5000	0.0E+00	Area 1	
Pyrene	9/18/97	44	UG/L	1	10	*1.8E+01*	Area 1	
Sodium	9/18/97	497000	UG/L	2200	50000	0.0E+00	Area 1	

SAMPLE ID: ASRMW-8						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Aldrin	9/22/97	0.022 J	UG/L	0.002	0.05	4.0E-03	Area 1	
Calcium	9/22/97	466000	UG/L	31.3	5000	0.0E+00	Area 1	
Magnesium	9/22/97	195000	UG/L	18	5000	0.0E+00	Area 1	
Manganese	9/22/97	744	UG/L	0.19	15	*1.7E+02*	Area 1	
Potassium	9/22/97	9580 E	UG/L	20.6	5000	0.0E+00	Area 1	
Sodium	9/22/97	158000	UG/L	2200	50000	0.0E+00	Area 1	

SAMPLE ID: CL1-1						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Barium	10/2/97	329	UG/L	0.12	200	*2.6E+02*	Area 1	
Calcium	10/2/97	22800	UG/L	31.5	5000	0.0E+00	Area 1	
Magnesium	10/2/97	6770	UG/L	25.5	5000	0.0E+00	Area 1	
Potassium	10/2/97	6700 E	UG/L	29	5000	0.0E+00	Area 1	
Sodium	10/2/97	389000	UG/L	2070	50000	0.0E+00	Area 1	

SAMPLE ID: DART40							*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Benzo(a)anthracene	9/30/97	1	J	UG/L	1	10	9.2E-02	Area 1	
Benzo(a)pyrene	9/30/97	2	J	UG/L	1	10	9.2E-03	Area 1	
Benzo(b)fluoranthene	9/30/97	2	J	UG/L	1	10	9.2E-02	Area 1	
Benzo(k)fluoranthene	9/30/97	1	J	UG/L	1	10	9.2E-01	Area 1	
Calcium	9/30/97	387000		UG/L	74.2	5000	0.0E+00	Area 1	
Chromium	9/30/97	3.8	B	UG/L	3.6	10	0.0E+00	Area 1	
Magnesium	9/30/97	86000		UG/L	25.5	5000	0.0E+00	Area 1	
Manganese	9/30/97	2900		UG/L	0.21	15	*1.7E+02*	Area 1	
Naphthalene	9/30/97	2	J	UG/L	1	10	*6.2E-01*	Area 1	
Phenanthrene	9/30/97	2	J	UG/L	1	10	0.0E+00	Area 1	
Potassium	9/30/97	6190		UG/L	399	5000	0.0E+00	Area 1	
Sodium	9/30/97	4700000		UG/L	1640	50000	0.0E+00	Area 1	
SAMPLE ID: DART47							*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
1,2-Dichloroethane	9/30/97	8	J	UG/L	2	10	1.2E-01	Area 1	
Antimony	9/30/97	3.8	B	UG/L	2.9	60	*1.5E+00*	Area 1	
Calcium	9/30/97	252000		UG/L	74.2	5000	0.0E+00	Area 1	
Chromium	9/30/97	5.1	B	UG/L	3.6	10	0.0E+00	Area 1	
Magnesium	9/30/97	49600		UG/L	25.5	5000	0.0E+00	Area 1	
Manganese	9/30/97	1820		UG/L	0.21	15	*1.7E+02*	Area 1	
Potassium	9/30/97	9460		UG/L	399	5000	0.0E+00	Area 1	
Sodium	9/30/97	162000		UG/L	164	5000	0.0E+00	Area 1	
Vinyl Chloride	9/30/97	25		UG/L	2	10	2.0E-02	Area 1	

SAMPLE ID: DART49							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
1,2-Dichloroethane	9/30/97	3	J	UG/L	2	10	1.2E-01	Area 1	
Arsenic	9/30/97	10.6		UG/L	3.8	10	4.5E-02	Area 1	
Benzene	9/30/97	3	J	UG/L	1	10	3.9E-01	Area 1	
bis(2-Ethylhexyl)phthalate	9/30/97	8	J	UG/L	1	10	4.8E+00	Area 1	
Calcium	9/30/97	265000		UG/L	74.2	5000	0.0E+00	Area 1	
Ethylbenzene	9/30/97	260	D	UG/L	4	20	*1.3E+02*	Area 1	
Iron	9/30/97	7140		UG/L	19.9	100	*1.1E+03*	Area 1	
Magnesium	9/30/97	40600		UG/L	25.5	5000	0.0E+00	Area 1	
Manganese	9/30/97	4800		UG/L	0.21	15	*1.7E+02*	Area 1	
Methylene Chloride	9/30/97	6	JB	UG/L	2	10	4.3E+00	Area 1	
Naphthalene	9/30/97	3	J	UG/L	1	10	*6.2E-01*	Area 1	
Naphthalene, 1-methyl-	9/30/97	14	JN	UG/L			*6.2E-01*	Area 1	
Potassium	9/30/97	16000		UG/L	399	5000	0.0E+00	Area 1	
Sodium	9/30/97	100000		UG/L	164	5000	0.0E+00	Area 1	
Toluene	9/30/97	150		UG/L	2	10	*7.2E+01*	Area 1	
Trichloroethene	9/30/97	3	J	UG/L	1	10	1.6E+00	Area 1	
Vinyl Chloride	9/30/97	10	J	UG/L	2	10	2.0E-02	Area 1	
Xylene (total)	9/30/97	170		UG/L	1	10	*1.4E+02*	Area 1	

SAMPLE ID: DARTB-1							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
1,2-Dichloroethane	9/30/97	720	D	UG/L	10	50	1.2E-01	Area 1	
Calcium	9/30/97	308000		UG/L	74.2	5000	0.0E+00	Area 1	
Magnesium	9/30/97	83400		UG/L	25.5	5000	0.0E+00	Area 1	
Manganese	9/30/97	468		UG/L	0.21	15	*1.7E+02*	Area 1	
Potassium	9/30/97	6410		UG/L	399	5000	0.0E+00	Area 1	
Sodium	9/30/97	48300		UG/L	164	5000	0.0E+00	Area 1	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: DARTB-2							*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
1,1-Dichloroethane	9/30/97	770	D	UG/L	50	250	*8.1E+01*	Area 1	
1,1-Dichloroethene	9/30/97	12		UG/L	1	10	4.6E-02	Area 1	
1,2-Dichloroethane	9/30/97	4	J	UG/L	2	10	1.2E-01	Area 1	
1,2-Dichloroethene (total)	9/30/97	93		UG/L	2	10	*6.1E+00*	Area 1	
Antimony	9/30/97	3.4	B	UG/L	2.9	60	*1.5E+00*	Area 1	
Calcium	9/30/97	296000		UG/L	74.2	5000	0.0E+00	Area 1	
Magnesium	9/30/97	94600		UG/L	25.5	5000	0.0E+00	Area 1	
Manganese	9/30/97	320		UG/L	0.21	15	*1.7E+02*	Area 1	
Potassium	9/30/97	6690		UG/L	399	5000	0.0E+00	Area 1	
Sodium	9/30/97	77100		UG/L	164	5000	0.0E+00	Area 1	
Vinyl Chloride	9/30/97	2500	D	UG/L	50	250	2.0E-02	Area 1	
SAMPLE ID: DARTB-4							*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
1,2-Dichloroethane	9/30/97	3	J	UG/L	2	10	1.2E-01	Area 1	
Antimony	9/30/97	19.4	B	UG/L	2.9	60	*1.5E+00*	Area 1	
Aroclor-1254	9/30/97	0.13	JP	UG/L	0.04	1	3.4E-02	Area 1	
Arsenic	9/30/97	12.2		UG/L	3.8	10	4.5E-02	Area 1	
Calcium	9/30/97	28500		UG/L	74.2	5000	0.0E+00	Area 1	
Magnesium	9/30/97	6350		UG/L	25.5	5000	0.0E+00	Area 1	
Methylene Chloride	9/30/97	5	J	UG/L	2	10	4.3E+00	Area 1	
Potassium	9/30/97	6630		UG/L	399	5000	0.0E+00	Area 1	
Sodium	9/30/97	120000		UG/L	164	5000	0.0E+00	Area 1	
Vinyl Chloride	9/30/97	40		UG/L	2	10	2.0E-02	Area 1	
SAMPLE ID: DARTB-5							*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Calcium	9/30/97	259000		UG/L	74.2	5000	0.0E+00	Area 1	
Magnesium	9/30/97	80400		UG/L	25.5	5000	0.0E+00	Area 1	
Potassium	9/30/97	3710	B	UG/L	399	5000	0.0E+00	Area 1	
Sodium	9/30/97	66900		UG/L	164	5000	0.0E+00	Area 1	

SAMPLE ID: DARTB-6							*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Antimony	9/30/97	4.7	B	UG/L	2.9	60	*1.5E+00*	Area 1	
Arsenic	9/30/97	9.2	B	UG/L	3.8	10	4.5E-02	Area 1	
Calcium	9/30/97	118000		UG/L	74.2	5000	0.0E+00	Area 1	
Magnesium	9/30/97	326	B	UG/L	25.5	5000	0.0E+00	Area 1	
Potassium	9/30/97	19300		UG/L	399	5000	0.0E+00	Area 1	
Sodium	9/30/97	90100		UG/L	164	5000	0.0E+00	Area 1	
SAMPLE ID: DUP_GW1							*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Aldrin	9/17/97	0.011	J	UG/L	0.004	0.1	4.0E-03	Area 1	Duplicate of ASRMW-4
Calcium	9/17/97	222000		UG/L	31.3	5000	0.0E+00	Area 1	Duplicate of ASRMW-4
Magnesium	9/17/97	97800		UG/L	18	5000	0.0E+00	Area 1	Duplicate of ASRMW-4
Manganese	9/17/97	750		UG/L	0.19	15	*1.7E+02*	Area 1	Duplicate of ASRMW-4
Potassium	9/17/97	8730	E	UG/L	20.6	5000	0.0E+00	Area 1	Duplicate of ASRMW-4
Sodium	9/17/97	172000		UG/L	2200	50000	0.0E+00	Area 1	Duplicate of ASRMW-4
SAMPLE ID: LC1-1							*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Antimony	11/20/97	2500	B	UG/L	2200	60000	*1.5E+00*	Area 1	
Arsenic TR	11/20/97	3800	U	UG/L	3800	10000	4.5E-02	Area 1	
Barium	11/20/97	44700	B	UG/L	260	200000	*2.6E+02*	Area 1	
Beryllium	11/20/97	620	U	UG/L	620	5000	*7.3E+00*	Area 1	
Cadmium	11/20/97	890	U	UG/L	890	5000	*1.8E+00*	Area 1	
Calcium	11/20/97	268000000		UG/L	34000	5000000	0.0E+00	Area 1	
Chromium	11/20/97	638000		UG/L	1500	10000	0.0E+00	Area 1	
Cobalt	11/20/97	1200	B	UG/L	590	50000	*2.2E+02*	Area 1	
Copper	11/20/97	1200	B	UG/L	610	25000	*1.4E+02*	Area 1	
Hexavalent Chromium (water)	11/20/97	405		UG/L	25	75	*1.8E+01*	Area 1	
Magnesium	11/20/97	78500		UG/L	37.3	5000	0.0E+00	Area 1	
Manganese	11/20/97	292		UG/L	0.37	15	*1.7E+02*	Area 1	
Potassium	11/20/97	13000	E	UG/L	65.3	5000	0.0E+00	Area 1	
Sodium	11/20/97	114000		UG/L	1040	25000	0.0E+00	Area 1	

SAMPLE ID: LC1-2							*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Antimony	11/20/97	2200	U	UG/L	2200	60000	*1.5E+00*	Area 1	
Arsenic TR	11/20/97	3800	U	UG/L	3800	10000	4.5E-02	Area 1	
Barium	11/20/97	30900	B	UG/L	260	200000	*2.6E+02*	Area 1	
Beryllium	11/20/97	620	U	UG/L	620	5000	*7.3E+00*	Area 1	
Cadmium	11/20/97	890	U	UG/L	890	5000	*1.8E+00*	Area 1	
Calcium	11/20/97	453000000		UG/L	34000	5000000	0.0E+00	Area 1	
Cobalt	11/20/97	1300	B	UG/L	590	50000	*2.2E+02*	Area 1	
Copper	11/20/97	710	B	UG/L	610	25000	*1.4E+02*	Area 1	
Iron	11/20/97	3580		UG/L	28.2	100	*1.1E+03*	Area 1	
Magnesium	11/20/97	76400		UG/L	37.3	5000	0.0E+00	Area 1	
Manganese	11/20/97	336		UG/L	0.37	15	*1.7E+02*	Area 1	
Potassium	11/20/97	14400	E	UG/L	65.3	5000	0.0E+00	Area 1	
Sodium	11/20/97	197000		UG/L	1040	25000	0.0E+00	Area 1	

SAMPLE ID: LC1-3							*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Antimony	11/20/97	2200	U	UG/L	2200	60000	*1.5E+00*	Area 1	
Arsenic TR	11/20/97	3800	U	UG/L	3800	10000	4.5E-02	Area 1	
Barium	11/20/97	26000	B	UG/L	260	200000	*2.6E+02*	Area 1	
Beryllium	11/20/97	620	U	UG/L	620	5000	*7.3E+00*	Area 1	
Cadmium	11/20/97	890	U	UG/L	890	5000	*1.8E+00*	Area 1	
Calcium	11/20/97	82200000		UG/L	34000	5000000	0.0E+00	Area 1	
Chromium	11/20/97	5900	B	UG/L	1500	10000	0.0E+00	Area 1	
Cobalt	11/20/97	590	U	UG/L	590	50000	*2.2E+02*	Area 1	
Copper	11/20/97	1700	B	UG/L	610	25000	*1.4E+02*	Area 1	
Hexavalent Chromium (water)	11/20/97	30		UG/L	5	15	*1.8E+01*	Area 1	
Magnesium	11/20/97	112000		UG/L	37.3	5000	0.0E+00	Area 1	
Potassium	11/20/97	7850	E	UG/L	65.3	5000	0.0E+00	Area 1	
Sodium	11/20/97	113000		UG/L	1040	25000	0.0E+00	Area 1	

SAMPLE ID: SW1-1							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Antimony	10/21/97	5.4	B	UG/L	3.8	60	1.5E+00	Area 1	
Arsenic	10/21/97	10.8		UG/L	4.3	10	4.5E-02	Area 1	
bis(2-Ethylhexyl)phthalate	10/21/97	13	J	UG/L	1	13	4.8E+00	Area 1	
Calcium	10/21/97	255000		UG/L	31.5	5000	0.0E+00	Area 1	
Chloroform	10/21/97	2	J	UG/L	1	10	1.6E-01	Area 1	
Magnesium	10/21/97	91500		UG/L	25.5	5000	0.0E+00	Area 1	
Manganese	10/21/97	255	*	UG/L	0.51	15	1.7E+02	Area 1	
Methylene Chloride	10/21/97	7	J	UG/L	2	10	4.3E+00	Area 1	
Potassium	10/21/97	18900		UG/L	19.4	5000	0.0E+00	Area 1	
Sodium	10/21/97	136000		UG/L	2070	50000	0.0E+00	Area 1	
SAMPLE ID: SW1-2							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Antimony	10/21/97	9.3	B	UG/L	3.8	60	1.5E+00	Area 1	
Arsenic	10/21/97	5	B	UG/L	4.3	10	4.5E-02	Area 1	
Calcium	10/21/97	213000		UG/L	31.5	5000	0.0E+00	Area 1	
Chloroform	10/21/97	2	J	UG/L	1	10	1.6E-01	Area 1	
Magnesium	10/21/97	69600		UG/L	25.5	5000	0.0E+00	Area 1	
Manganese	10/21/97	1130	*	UG/L	0.51	15	1.7E+02	Area 1	
Potassium	10/21/97	10200		UG/L	19.4	5000	0.0E+00	Area 1	
Sodium	10/21/97	59200		UG/L	2070	50000	0.0E+00	Area 1	
SAMPLE ID: SW1-3							Region IX PRGs		
ANALYTE	DATE	RESULT		UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Calcium	10/23/97	580000		UG/L	33.1	5000	0.0E+00	Area 1	
Chloroform	10/23/97	2	J	UG/L	1	10	1.6E-01	Area 1	
Chromium	10/23/97	2.8	B	UG/L	0.68	10	0.0E+00	Area 1	
Magnesium	10/23/97	234000		UG/L	20.1	5000	0.0E+00	Area 1	
Manganese	10/23/97	1980		UG/L	0.51	15	1.7E+02	Area 1	
Potassium	10/23/97	19900		UG/L	19.4	5000	0.0E+00	Area 1	
Sodium	10/23/97	209000		UG/L	2070	50000	0.0E+00	Area 1	

SAMPLE ID: SW1-4						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Arsenic	10/22/97	11.3	UG/L	4.3	10	4.5E-02	Area 1	
bis(2-Ethylhexyl)phthalate	10/22/97	10	UG/L	1	10	4.8E+00	Area 1	
Calcium	10/22/97	378000	UG/L	31.5	5000	0.0E+00	Area 1	
Chromium	10/22/97	1.6 B	UG/L	0.68	10	0.0E+00	Area 1	
Magnesium	10/22/97	193000	UG/L	25.5	5000	0.0E+00	Area 1	
Manganese	10/22/97	1410 *	UG/L	0.51	15	*1.7E+02*	Area 1	
Potassium	10/22/97	10200	UG/L	19.4	5000	0.0E+00	Area 1	
Sodium	10/22/97	130000	UG/L	2070	50000	0.0E+00	Area 1	
SAMPLE ID: SW1-5						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Antimony	9/24/97	5 B	UG/L	3.8	60	*1.5E+00*	Area 1	
Arsenic	9/24/97	20.7	UG/L	3.9	10	4.5E-02	Area 1	
Calcium	9/24/97	57300	UG/L	33.1	5000	0.0E+00	Area 1	
Magnesium	9/24/97	47800	UG/L	20.1	5000	0.0E+00	Area 1	
Potassium	9/24/97	6020	UG/L	65.3	5000	0.0E+00	Area 1	
Sodium	9/24/97	133000	UG/L	2070	50000	0.0E+00	Area 1	
SAMPLE ID: SW1-6						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Calcium	10/23/97	159000	UG/L	33.1	5000	0.0E+00	Area 1	
Chloroform	10/23/97	2 J	UG/L	1	10	1.6E-01	Area 1	
Chromium	10/23/97	2.1 B	UG/L	0.68	10	0.0E+00	Area 1	
Magnesium	10/23/97	41400	UG/L	20.1	5000	0.0E+00	Area 1	
Manganese	10/23/97	3440	UG/L	0.51	15	*1.7E+02*	Area 1	
Methylene Chloride	10/23/97	5 JB	UG/L	2	10	4.3E+00	Area 1	
Potassium	10/23/97	9850	UG/L	19.4	5000	0.0E+00	Area 1	
Sodium	10/23/97	82600	UG/L	2070	50000	0.0E+00	Area 1	
Vinyl Chloride	10/23/97	1200 D	UG/L	20	100	2.0E-02	Area 1	

SAMPLE ID: SW1-7						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
bis(2-Ethylhexyl)phthalate	10/22/97	14		UG/L	1	10	4.8E+00	Area 1	
Calcium	10/22/97	384000		UG/L	31.5	5000	0.0E+00	Area 1	
Chloroform	10/22/97	2	J	UG/L	1	10	1.6E-01	Area 1	
Chromium	10/22/97	1.7	B	UG/L	0.68	10	0.0E+00	Area 1	
Magnesium	10/22/97	158000		UG/L	25.5	5000	0.0E+00	Area 1	
Manganese	10/22/97	827	*	UG/L	0.51	15	*1.7E+02*	Area 1	
Potassium	10/22/97	13500		UG/L	19.4	5000	0.0E+00	Area 1	
Sodium	10/22/97	67800		UG/L	2070	50000	0.0E+00	Area 1	

SAMPLE ID: CL6-1							*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Antimony	9/29/97	4.4	B	UG/L	2.9	60	*1.5E+00*	Area 6	
Barium	9/29/97	625		UG/L	0.12	200	*2.6E+02*	Area 6	
Benzene	9/29/97	19		UG/L	1	10	3.9E-01	Area 6	
bis(2-Ethylhexyl)phthalate	9/29/97	13		UG/L	1	10	4.8E+00	Area 6	
Calcium	9/29/97	2960000		UG/L	742	50000	0.0E+00	Area 6	
Cyanide	9/29/97	145		UG/L	10	10	*7.3E+01*	Area 6	
Iron	9/29/97	2830		UG/L	19.9	100	*1.1E+03*	Area 6	
Magnesium	9/29/97	1800	B	UG/L	25.5	5000	0.0E+00	Area 6	
Manganese	9/29/97	1010		UG/L	0.21	15	*1.7E+02*	Area 6	
Naphthalene	9/29/97	2	J	UG/L	1	10	*6.2E-01*	Area 6	
Potassium	9/29/97	37100		UG/L	399	5000	0.0E+00	Area 6	
Sodium	9/29/97	3420000		UG/L	1640	50000	0.0E+00	Area 6	

SAMPLE ID: CL6-1A							*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Antimony	9/30/97	39.9	B	UG/L	2.9	60	*1.5E+00*	Area 6	
Calcium	9/30/97	400000		UG/L	74.2	5000	0.0E+00	Area 6	
Chromium	9/30/97	134000		UG/L	36	100	0.0E+00	Area 6	
Cyanide	9/30/97	260		UG/L	10	10	*7.3E+01*	Area 6	
Hexavalent Chromium (water)	9/30/97	2880000		UG/L	130000	380000	*1.8E+01*	Area 6	
Magnesium	9/30/97	35.3	B	UG/L	25.5	5000	0.0E+00	Area 6	
Methylene Chloride	9/30/97	5	J	UG/L	2	10	4.3E+00	Area 6	
Naphthalene	10/23/97	2	J	UG/L	1	10	*6.2E-01*	Area 6	
Potassium	9/30/97	34700		UG/L	399	5000	0.0E+00	Area 6	
Sodium	9/30/97	1350000		UG/L	1640	50000	0.0E+00	Area 6	
Vanadium	9/30/97	43.3	B	UG/L	0.63	50	*2.6E+01*	Area 6	

SAMPLE ID: CL6-3						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Arsenic	9/25/97	552		UG/L	3.9	10	4.5E-02	Area 6	
Cadmium	9/25/97	4.7	B	UG/L	0.89	5	*1.8E+00*	Area 6	
Calcium	9/25/97	2660	B	UG/L	33.1	5000	0.0E+00	Area 6	
Chromium	9/25/97	269000		UG/L	150	1000	0.0E+00	Area 6	
Cyanide	9/25/97	78.6		UG/L	10	10	*7.3E+01*	Area 6	
Hexavalent Chromium (water)	9/25/97	402000		UG/L	25000	75000	*1.8E+01*	Area 6	
Magnesium	9/25/97	1600	B	UG/L	20.1	5000	0.0E+00	Area 6	
Potassium	9/25/97	18900		UG/L	65.3	5000	0.0E+00	Area 6	
Sodium	9/25/97	9050000		UG/L	104000	2500000	0.0E+00	Area 6	
Thallium	9/25/97	25.3		UG/L	4	10	*2.6E-01*	Area 6	
Vanadium	9/25/97	1330		UG/L	0.64	50	*2.6E+01*	Area 6	
SAMPLE ID: CL6-4						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Acetone	9/25/97	310	D	UG/L	15	25	*6.1E+01*	Area 6	
bis(2-Ethylhexyl)phthalate	9/25/97	38	B	UG/L	1	10	4.8E+00	Area 6	
Calcium	9/25/97	5740		UG/L	33.1	5000	0.0E+00	Area 6	
Chromium	9/25/97	2620000		UG/L	150	1000	0.0E+00	Area 6	
Copper	9/25/97	347		UG/L	0.43	25	*1.4E+02*	Area 6	
Cyanide	9/25/97	275		UG/L	10	10	*7.3E+01*	Area 6	
Hexavalent Chromium (water)	9/25/97	12600000		UG/L	1300000	3800000	*1.8E+01*	Area 6	
Nickel	9/25/97	419		UG/L	1.1	40	*7.3E+01*	Area 6	
Potassium	9/25/97	46900	B	UG/L	6530	500000	0.0E+00	Area 6	
Silver	9/25/97	22.1		UG/L	0.47	10	*1.8E+01*	Area 6	
Sodium	9/25/97	11200000		UG/L	104000	2500000	0.0E+00	Area 6	
Thallium	9/25/97	567		UG/L	4	10	*2.6E-01*	Area 6	
Vanadium	9/25/97	11400		UG/L	0.64	50	*2.6E+01*	Area 6	
Vinyl Chloride	9/25/97	140		UG/L	2	10	2.0E-02	Area 6	
SAMPLE ID: CL6-5						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Calcium	9/25/97	97600		UG/L	33.1	5000	0.0E+00	Area 6	
Chromium	9/25/97	2	B	UG/L	1.5	10	0.0E+00	Area 6	
Magnesium	9/25/97	32000		UG/L	20.1	5000	0.0E+00	Area 6	
Potassium	9/25/97	8250		UG/L	65.3	5000	0.0E+00	Area 6	
Sodium	9/25/97	392000		UG/L	2070	50000	0.0E+00	Area 6	

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: CL6-6						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Arsenic	9/25/97	6.2 B	UG/L	3.9	10	4.5E-02	Area 6	
Calcium	9/25/97	182000	UG/L	33.1	5000	0.0E+00	Area 6	
Chromium	9/25/97	7.7 B	UG/L	1.5	10	0.0E+00	Area 6	
Iron	9/25/97	6890	UG/L	11.1	100	*1.1E+03*	Area 6	
Magnesium	9/25/97	26600	UG/L	20.1	5000	0.0E+00	Area 6	
Manganese	9/25/97	1930	UG/L	0.51	15	*1.7E+02*	Area 6	
Potassium	9/25/97	6630	UG/L	65.3	5000	0.0E+00	Area 6	
Sodium	9/25/97	413000	UG/L	2070	50000	0.0E+00	Area 6	
Thallium	9/25/97	8.4 B	UG/L	4	10	*2.6E-01*	Area 6	
SAMPLE ID: CL6-7						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Calcium	10/2/97	215000	UG/L	31.5	5000	0.0E+00	Area 6	
Chromium	10/2/97	3.3 BE	UG/L	0.58	10	0.0E+00	Area 6	
Magnesium	10/2/97	10200	UG/L	25.5	5000	0.0E+00	Area 6	
Potassium	10/2/97	5580 E	UG/L	29	5000	0.0E+00	Area 6	
Sodium	10/2/97	166000	UG/L	2070	50000	0.0E+00	Area 6	
SAMPLE ID: CL6-8						Region IX PRGs		
ANALYTE	DATE	RESULT	UNITS	MDL	LOQ	Tap Water	AREA	COMMENT
Barium	10/1/97	372	UG/L	0.12	200	*2.6E+02*	Area 6	
Calcium	10/1/97	7980000	UG/L	3150	500000	0.0E+00	Area 6	
Chromium	10/1/97	29500 E	UG/L	0.58	10	0.0E+00	Area 6	
Cyanide	10/1/97	157	UG/L	10	10	*7.3E+01*	Area 6	
Lead	10/1/97	28.5 BN	UG/L	22	30	4.0E+00	Area 6	
Magnesium	10/1/97	12800	UG/L	25.5	5000	0.0E+00	Area 6	
Potassium	10/1/97	101000 E	UG/L	290	50000	0.0E+00	Area 6	
Sodium	10/1/97	6630000	UG/L	104000	2500000	0.0E+00	Area 6	
Vinyl Chloride	10/1/97	76	UG/L	2	10	2.0E-02	Area 6	

SAMPLE ID: CL6-9						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Benzene	10/2/97	1 J	UG/L	1	10	3.9E-01	Area 6	
Calcium	10/2/97	807000	UG/L	3150	500000	0.0E+00	Area 6	
Chloroform	10/2/97	2 J	UG/L	1	10	1.6E-01	Area 6	
Chromium	10/2/97	1.2 BE	UG/L	0.58	10	0.0E+00	Area 6	
Magnesium	10/2/97	15100	UG/L	25.5	5000	0.0E+00	Area 6	
Potassium	10/2/97	45900 BE	UG/L	2900	500000	0.0E+00	Area 6	
Sodium	10/2/97	1160000	UG/L	20700	500000	0.0E+00	Area 6	
SAMPLE ID: GWDUP4						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Tap Water*	*AREA*	*COMMENT*
Benzene	10/2/97	1 J	UG/L	1	10	3.9E-01	Area 6	Duplicate of CL6-9
Calcium	10/2/97	854000	UG/L	3150	500000	0.0E+00	Area 6	Duplicate of CL6-9
Chloroform	10/2/97	2 J	UG/L	1	10	1.6E-01	Area 6	Duplicate of CL6-9
Chromium	10/2/97	1.4 BE	UG/L	0.58	10	0.0E+00	Area 6	Duplicate of CL6-9
Magnesium	10/2/97	15500	UG/L	25.5	5000	0.0E+00	Area 6	Duplicate of CL6-9
Potassium	10/2/97	47500 BE	UG/L	2900	500000	0.0E+00	Area 6	Duplicate of CL6-9
Sodium	10/2/97	1240000	UG/L	20700	500000	0.0E+00	Area 6	Duplicate of CL6-9

Table 5 - 4

Lake Erie Sediment Analytical Results Above Region IX Residential PRGs

SAMPLE ID: SD1-1						***Region IX PRGs***		
ANALYTE	***DATE***	***RESULT***	***UNITS***	***MDL***	***LOQ***	***Residential***	***Industrial***	***COMMENT***
Arsenic	12/16/97	11.9	MG/KG	1	2.6	3.8E-01	3.0E+00	Sediment Samples
Benzo(a)anthracene	12/16/97	2.1	MG/KG	0.043	0.42	5.6E-01	3.6E+00	Sediment Samples
Benzo(a)pyrene	12/16/97	1.6	MG/KG	0.043	0.42	5.6E-02	3.6E-01	Sediment Samples
Benzo(b)fluoranthene	12/16/97	2.1	MG/KG	0.043	0.42	5.6E-01	3.6E+00	Sediment Samples
Dibenzo(a,h)anthracene	12/16/97	0.37 J	MG/KG	0.043	0.42	5.6E-02	3.6E-01	Sediment Samples
Indeno(1,2,3-cd)pyrene	12/16/97	0.89	MG/KG	0.043	0.42	5.6E-01	3.6E+00	Sediment Samples
Iron	12/16/97	22500	MG/KG	2.9	25.8	*2.2E+03*	*1.0E+04*	Sediment Samples
Manganese	12/16/97	347	MG/KG	0.13	3.9	*3.1E+02*	*4.5E+03*	Sediment Samples
SAMPLE ID: SD1-2						***Region IX PRGs***		
ANALYTE	***DATE***	***RESULT***	***UNITS***	***MDL***	***LOQ***	***Residential***	***Industrial***	***COMMENT***
Arsenic	12/16/97	11.8	MG/KG	1	2.6	3.8E-01	3.0E+00	Sediment Samples
Benzo(a)anthracene	12/16/97	0.88	MG/KG	0.043	0.42	5.6E-01	3.6E+00	Sediment Samples
Benzo(a)pyrene	12/16/97	0.68	MG/KG	0.043	0.42	5.6E-02	3.6E-01	Sediment Samples
Benzo(b)fluoranthene	12/16/97	0.91	MG/KG	0.043	0.42	5.6E-01	3.6E+00	Sediment Samples
Dibenzo(a,h)anthracene	12/16/97	0.18 J	MG/KG	0.043	0.42	5.6E-02	3.6E-01	Sediment Samples
Iron	12/16/97	22500	MG/KG	2.9	25.7	*2.2E+03*	*1.0E+04*	Sediment Samples
Manganese	12/16/97	331	MG/KG	0.13	3.9	*3.1E+02*	*4.5E+03*	Sediment Samples
Thallium	12/16/97	1.6 B	MG/KG	1	2.6	*5.2E-01*	*1.3E+01*	Sediment Samples
SAMPLE ID: SD2-1						***Region IX PRGs***		
ANALYTE	***DATE***	***RESULT***	***UNITS***	***MDL***	***LOQ***	***Residential***	***Industrial***	***COMMENT***
Arsenic	12/16/97	12.9	MG/KG	1	2.6	3.8E-01	3.0E+00	Sediment Samples
Benzo(a)anthracene	12/16/97	0.64	MG/KG	0.043	0.43	5.6E-01	3.6E+00	Sediment Samples
Benzo(a)pyrene	12/16/97	0.42 J	MG/KG	0.043	0.43	5.6E-02	3.6E-01	Sediment Samples
Benzo(b)fluoranthene	12/16/97	0.6	MG/KG	0.043	0.43	5.6E-01	3.6E+00	Sediment Samples
Dibenzo(a,h)anthracene	12/16/97	0.13 J	MG/KG	0.043	0.43	5.6E-02	3.6E-01	Sediment Samples
Iron	12/16/97	23500	MG/KG	2.9	26.1	*2.2E+03*	*1.0E+04*	Sediment Samples
Manganese	12/16/97	331	MG/KG	0.13	3.9	*3.1E+02*	*4.5E+03*	Sediment Samples
Thallium	12/16/97	2 B	MG/KG	1	2.6	*5.2E-01*	*1.3E+01*	Sediment Samples

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

SAMPLE ID: SD2-2						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*COMMENT*
Arsenic	12/16/97	10.8	MG/KG	0.95	2.4	3.8E-01	3.0E+00	Sediment Samples
Iron	12/16/97	19500	MG/KG	2.7	24.3	*2.2E+03*	*1.0E+04*	Sediment Samples
Manganese	12/16/97	402	MG/KG	0.12	3.6	*3.1E+02*	*4.5E+03*	Sediment Samples

SAMPLE ID: SED_DUP1						*Region IX PRGs*		
ANALYTE	*DATE*	*RESULT*	*UNITS*	*MDL*	*LOQ*	*Residential*	*Industrial*	*COMMENT*
Arsenic	12/16/97	12.6	MG/KG	1.1	2.8	3.8E-01	3.0E+00	Sediment Sample SD2-1 Duplicate Sample
Benzo(a)pyrene	12/16/97	0.37 J	MG/KG	0.046	0.46	5.6E-02	3.6E-01	Sediment Sample SD2-1 Duplicate Sample
Iron	12/16/97	24000	MG/KG	3.1	27.8	*2.2E+03*	*1.0E+04*	Sediment Sample SD2-1 Duplicate Sample
Manganese	12/16/97	334	MG/KG	0.14	4.2	*3.1E+02*	*4.5E+03*	Sediment Sample SD2-1 Duplicate Sample

Non-carcinogenic Region IX PRGs were divided by 10, to account for any potential additive effects of multiple chemicals.

Table 5 - 5
River Bank Seep Analytical Results Above MDLs

SAMPLE ID: SL3 *ANALYTE*	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*COMMENT*
2-Methylphenol	10/29/97	16		UG/L	2	10	Riverbank Seep
4-Methylphenol	10/29/97	11		UG/L	2	10	Riverbank Seep
Acetone	10/29/97	58		UG/L	6	10	Riverbank Seep
Aluminum	10/29/97	49.4	B	UG/L	24.1	200	Riverbank Seep
Antimony	10/29/97	7.8	B	UG/L	3.8	60	Riverbank Seep
Arsenic	10/29/97	13.1		UG/L	3.9	10	Riverbank Seep
Barium	10/29/97	605		UG/L	0.18	200	Riverbank Seep
Benzene	10/29/97	4	J	UG/L	1	10	Riverbank Seep
bis(2-Ethylhexyl)phthalate	10/29/97	2	J	UG/L	1	10	Riverbank Seep
Calcium	10/29/97	4590000		UG/L	315	50000	Riverbank Seep
Chromium	10/29/97	1.2	B	UG/L	0.68	10	Riverbank Seep
Cobalt	10/29/97	2.4	B	UG/L	0.62	50	Riverbank Seep
Copper	10/29/97	3.4	B	UG/L	0.43	25	Riverbank Seep
Cyanide	10/29/97	58.8		UG/L	10	10	Riverbank Seep
Iron	10/29/97	71.5	B	UG/L	11.1	100	Riverbank Seep
Magnesium	10/29/97	2070	B	UG/L	20.1	5000	Riverbank Seep
Manganese	10/29/97	240	N	UG/L	0.51	15	Riverbank Seep
Nickel	10/29/97	3.4	B	UG/L	1.1	40	Riverbank Seep
Phenol	10/29/97	19		UG/L	1	10	Riverbank Seep
Potassium	10/29/97	78500	E	UG/L	653	50000	Riverbank Seep
Silver	10/29/97	2	B	UG/L	0.47	10	Riverbank Seep
Sodium	10/29/97	4050000		UG/L	20700	500000	Riverbank Seep
Zinc	10/29/97	4.2	B	UG/L	2.6	20	Riverbank Seep

SAMPLE ID: SL5 *ANALYTE*	*DATE*	*RESULT*		*UNITS*	*MDL*	*LOQ*	*COMMENT*
4,4'-DDD	10/29/97	0.0029	JP	UG/L	0.0028	0.096	Riverbank Seep
4,4'-DDE	10/29/97	0.024	JP	UG/L	0.013	0.096	Riverbank Seep
4-Methyl-2-Pentanone	10/29/97	18		UG/L	5	10	Riverbank Seep
Acetone	10/29/97	24		UG/L	6	10	Riverbank Seep
Aldrin	10/29/97	0.003	JP	UG/L	0.0019	0.048	Riverbank Seep
Aluminum	10/29/97	45.3	B	UG/L	24.1	200	Riverbank Seep
Arsenic	10/29/97	4.9	B	UG/L	3.9	10	Riverbank Seep
Barium	10/29/97	1590		UG/L	0.18	200	Riverbank Seep
bis(2-Ethylhexyl)phthalate	10/29/97	2	J	UG/L	1	10	Riverbank Seep
Calcium	10/29/97	125000		UG/L	31.5	5000	Riverbank Seep
Chromium	10/29/97	5	B	UG/L	0.68	10	Riverbank Seep
Cobalt	10/29/97	5.8	B	UG/L	0.62	50	Riverbank Seep
Copper	10/29/97	2.4	B	UG/L	0.43	25	Riverbank Seep
Cyanide	10/29/97	106		UG/L	10	10	Riverbank Seep
Diethylphthalate	10/29/97	2	J	UG/L	1	10	Riverbank Seep
Endosulfan II	10/29/97	0.013	JP	UG/L	0.0081	0.096	Riverbank Seep
Endrin aldehyde	10/29/97	0.024	JP	UG/L	0.017	0.096	Riverbank Seep
Iron	10/29/97	150		UG/L	11.1	100	Riverbank Seep
Magnesium	10/29/97	122000		UG/L	20.1	5000	Riverbank Seep
Manganese	10/29/97	320	N	UG/L	0.51	15	Riverbank Seep
Mercury	10/29/97	0.037	B	UG/L	0.018	0.2	Riverbank Seep
Nickel	10/29/97	81.6		UG/L	1.1	40	Riverbank Seep
Potassium	10/29/97	136000	E	UG/L	1630	125000	Riverbank Seep
Selenium	10/29/97	4	B	UG/L	3.1	5	Riverbank Seep
Sodium	10/29/97	626000		UG/L	4140	100000	Riverbank Seep
Vanadium	10/29/97	2.9	B	UG/L	0.64	50	Riverbank Seep
Zinc	10/29/97	6.2	B	UG/L	2.6	20	Riverbank Seep

Table 5 - 6
Grand River Surface Water Analytical Results Above MDLs

SAMPLE ID: SW7-2GR ***ANALYTE***	***DATE***	***RESULT***	***UNITS***	***MDL***	***LOQ***	***COMMENT***
Antimony	10/23/97	11.6 B	UG/L	3.8	60	Grand River Surface Water Sample
Arsenic	10/23/97	5.9 B	UG/L	3.9	10	Grand River Surface Water Sample
Barium	10/23/97	39.1 B	UG/L	0.18	200	Grand River Surface Water Sample
Calcium	10/23/97	85400	UG/L	31.5	5000	Grand River Surface Water Sample
Chromium	10/23/97	11	UG/L	0.68	10	Grand River Surface Water Sample
Cobalt	10/23/97	1.9 B	UG/L	0.62	50	Grand River Surface Water Sample
Copper	10/23/97	4.9 B	UG/L	0.43	25	Grand River Surface Water Sample
Hexavalent Chromium (water)	10/23/97	7.5 J	UG/L	5	15	Grand River Surface Water Sample
Iron	10/23/97	28.7 B	UG/L	11.1	100	Grand River Surface Water Sample
Magnesium	10/23/97	10300	UG/L	20.1	5000	Grand River Surface Water Sample
Manganese	10/23/97	25.9 N	UG/L	0.51	15	Grand River Surface Water Sample
Mercury	10/23/97	0.027 B	UG/L	0.018	0.2	Grand River Surface Water Sample
Methylene Chloride	10/23/97	5 JB	UG/L	2	10	Grand River Surface Water Sample
Potassium	10/23/97	3680 BE	UG/L	65.3	5000	Grand River Surface Water Sample
Selenium	10/23/97	3.9 B	UG/L	3.1	5	Grand River Surface Water Sample
Sodium	10/23/97	54100	UG/L	1040	25000	Grand River Surface Water Sample
Zinc	10/23/97	9.2 B	UG/L	2.6	20	Grand River Surface Water Sample

APPENDIX J-III

STUDY AREA 7 GROUNDWATER AND SEEP ANALYTICAL RESULTS

Area	LAB ID	SAMPLE ID	Matrix	Sam. Date	An. Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	1,1,1-Trichloroethane	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	1,1,2,2-Tetrachloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	1,1,2-Trichloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	1,1-Dichloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	1,1-Dichloroethene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	1,2,4-Trichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	1,2-Dichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	1,2-Dichloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	1,2-Dichloroethene (total)	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	1,2-Dichloropropane	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	1,3-Dichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	1,4-Dichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2,2'-oxybis(1-Chloropropane)	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2,4,5-Trichlorophenol	<	1	U	UG/L	1	26	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2,4,6-Trichlorophenol	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2,4-Dichlorophenol	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2,4-Dimethylphenol	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2,4-Dinitrophenol	<	1	U	UG/L	1	26	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2,4-Dinitrotoluene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2,6-Dinitrotoluene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	2-Butanone	<	3	U	UG/L	3	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2-Chloronaphthalene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2-Chlorophenol	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	2-Hexanone	<	7	U	UG/L	7	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2-Methylnaphthalene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2-Methylphenol	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2-Nitroaniline	<	1	U	UG/L	1	26	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	2-Nitrophenol	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	3,3'-Dichlorobenzidine	<	4	U	UG/L	4	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	3-Nitroaniline	<	1	U	UG/L	1	26	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	4,4'-DDD	<	0.0058	U	UG/L	0.0058	0.2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	4,4'-DDE	<	0.026	U	UG/L	0.026	0.2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	4,4'-DDT	<	0.03	U	UG/L	0.03	0.2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	4,6-Dinitro-2-methylphenol	<	1	U	UG/L	1	26	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	4-Bromophenyl-phenylether	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	4-Chloro-3-methylphenol	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	4-Chloroaniline	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	4-Chlorophenyl-phenylether	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	4-Methyl-2-Pentanone	<	5	U	UG/L	5	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	4-Methylphenol	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	4-Nitroaniline	<	2	U	UG/L	2	26	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	4-Nitrophenol	<	1	U	UG/L	1	26	SOW OLM03.2	Duplicate of SW7-3

Area	LAB ID	SAMPLE ID	Matrix	Sam Date	An Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Acenaphthene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Acenaphthylene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Acetone	<	6	U	UG/L	6	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Aldrin		0.0045	JP	UG/L	0.004	0.1	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	alpha-BHC	<	0.0066	U	UG/L	0.0066	0.1	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	alpha-Chlordane	<	0.0056	U	UG/L	0.0056	0.1	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Aluminum	<	24.1	U	UG/L	24.1	200	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Anthracene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Antimony		4.9	B	UG/L	3.8	60	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Aroclor-1016	<	0.28	U	UG/L	0.28	2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Aroclor-1221	<	0.48	U	UG/L	0.48	4	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Aroclor-1232	<	0.4	U	UG/L	0.4	2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Aroclor-1242	<	1	U	UG/L	1	2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Aroclor-1248	<	0.32	U	UG/L	0.32	2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Aroclor-1254	<	0.08	U	UG/L	0.08	2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Aroclor-1260	<	0.3	U	UG/L	0.3	2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Arsenic	<	3.9	U	UG/L	3.9	10	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Barium		74.7	B	UG/L	0.18	200	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Benzene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Benzo(a)anthracene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Benzo(a)pyrene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Benzo(b)fluoranthene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Benzo(g,h,i)perylene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Benzo(k)fluoranthene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Beryllium	<	0.13	U	UG/L	0.13	5	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	beta-BHC	<	0.011	U	UG/L	0.011	0.1	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	bis(2-Chloroethoxy)methane	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	bis(2-Chloroethyl)ether	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	bis(2-Ethylhexyl)phthalate		2	J	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Bromodichloromethane	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Bromoform	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Bromomethane	<	3	U	UG/L	3	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Butylbenzylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/6/97	Cadmium	<	0.89	U	UG/L	0.89	5	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Calcium		173000		UG/L	31.5	5000	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Carbazole	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Carbon Disulfide	<	3	U	UG/L	3	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Carbon Tetrachloride	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Chlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Chloroethane	<	3	U	UG/L	3	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Chloroform	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Chloromethane	<	3	U	UG/L	3	10	SOW OLM03.2	Duplicate of SW7-3

Area	LAB ID	SAMPLE ID	Matrix	Sam. Date	An. Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Chromium	<	0.68	U	UG/L	0.68	10	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Chrysene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	cis-1,3-Dichloropropene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Cobalt		1.5	B	UG/L	0.62	50	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Copper		1.6	B	UG/L	0.43	25	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Cyanide	<	10	U	UG/L	10	10	ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	delta-BHC	<	0.026	U	UG/L	0.026	0.1	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Di-n-butylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Di-n-octylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Dibenzo(a,h)anthracene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Dibenzofuran	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Dibromochloromethane	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Dieldrin		0.046	J	UG/L	0.03	0.2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Diethylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Dimethylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Endosulfan I	<	0.04	U	UG/L	0.04	0.1	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Endosulfan II	<	0.017	U	UG/L	0.017	0.2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Endosulfan sulfate	<	0.042	U	UG/L	0.042	0.2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Endrin	<	0.036	U	UG/L	0.036	0.2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Endrin aldehyde	<	0.036	U	UG/L	0.036	0.2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Endrin ketone	<	0.036	U	UG/L	0.036	0.2	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Ethanol, 2-(2-butoxyethoxy)-		4	BJN	UG/L			SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Ethylbenzene	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Fluoranthene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Fluorene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	gamma-BHC (Lindane)	<	0.0054	U	UG/L	0.0054	0.1	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	gamma-Chlordane	<	0.0062	U	UG/L	0.0062	0.1	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Heptachlor	<	0.004	U	UG/L	0.004	0.1	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Heptachlor epoxide	<	0.0062	U	UG/L	0.0062	0.1	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Hexachlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Hexachlorobutadiene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Hexachlorocyclopentadiene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Hexachloroethane	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Hexavalent Chromium (water)	<	5		UG/L	5	15	SW846-7199	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Indeno(1,2,3-cd)pyrene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Iron		75.7	B	UG/L	11.1	100	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Isophorone	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Lead	<	2.2	UN	UG/L	2.2	3	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Magnesium		29800		UG/L	20.1	5000	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Manganese		1320	N	UG/L	0.51	15	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/3/97	Mercury	<	0.018	U	UG/L	0.018	0.2	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Methoxychlor	<	0.24	U	UG/L	0.24	1	SOW OLM03.2	Duplicate of SW7-3

Area	LAB ID	SAMPLE ID	Matrix	Sam Date	An Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Methylene Chloride	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	N-Nitroso-di-n-propylamine	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	N-nitrosodiphenylamine	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Naphthalene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Nickel		3.8	B	UG/L	1.1	40	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Nitrobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Pentachlorophenol	<	2	U	UG/L	2	26	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Phenanthrene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Phenol	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Phenol, bis(1,1-dimethylethy		4	JX	UG/L			SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/6/97	Potassium		4000	BE	UG/L	65.3	5000	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Pyrene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/6/97	Selenium		3.9	B	UG/L	3.1	5	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Silver	<	0.47	U	UG/L	0.47	10	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/6/97	Sodium		155000		UG/L	2070	50000	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Styrene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Tetrachloroethene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Thallium	<	4	UN	UG/L	4	10	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Toluene	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/26/97	Toxaphene	<	0.4	U	UG/L	0.4	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	trans-1,3-Dichloropropene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Trichloroethene	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Unknown		3	J	UG/L			SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Unknown		3	BJ	UG/L			SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Vanadium		0.7	B	UG/L	0.64	50	SOW ILM04.0	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Vinyl Chloride	<	2	U	UG/L	2	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	10/30/97	Xylene (total)	<	1	U	UG/L	1	10	SOW OLM03.2	Duplicate of SW7-3
Area 7	2806088	GWDUP7	WATER	10/23/97	11/1/97	Zinc		8.6	B	UG/L	2.6	20	SOW ILM04.0	Duplicate of SW7-3
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	1,1,1-Trichloroethane	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	1,1,2,2-Tetrachloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	1,1,2-Trichloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	1,1-Dichloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	1,1-Dichloroethene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	1,2,4-Trichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	1,2-Dichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	1,2-Dichloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	1,2-Dichloroethene (total)		2	J	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	1,2-Dichloropropane	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	1,3-Dichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	1,4-Dichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2,2'-oxybis(1-Chloropropane)	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2,4,5-Trichlorophenol	<	1	U	UG/L	1	24	SOW OLM03.2	Riverbank Seep

Area	LAB ID	SAMPLE ID	Matrix	Sam. Date	An. Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2,4,6-Trichlorophenol	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2,4-Dichlorophenol	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2,4-Dimethylphenol	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2,4-Dinitrophenol	<	1	U	UG/L	1	24	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2,4-Dinitrotoluene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2,6-Dinitrotoluene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	2-Butanone	<	3	U	UG/L	3	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2-Chloronaphthalene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2-Chlorophenol	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	2-Hexanone	<	7	U	UG/L	7	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2-Methylnaphthalene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2-Methylphenol		16		UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2-Nitroaniline	<	1	U	UG/L	1	24	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	2-Nitrophenol	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	3,3'-Dichlorobenzidine	<	4	U	UG/L	4	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	3-Nitroaniline	<	1	U	UG/L	1	24	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	4,4'-DDD	<	0.0027	U	UG/L	0.0027	0.095	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	4,4'-DDE	<	0.012	U	UG/L	0.012	0.095	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	4,4'-DDT	<	0.014	U	UG/L	0.014	0.095	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	4,6-Dinitro-2-methylphenol	<	1	U	UG/L	1	24	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	4-Bromophenyl-phenylether	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	4-Chloro-3-methylphenol	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	4-Chloroaniline	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	4-Chlorophenyl-phenylether	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	4-Methyl-2-Pentanone	<	5	U	UG/L	5	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	4-Methylphenol		11		UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	4-Nitroaniline	<	2	U	UG/L	2	24	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	4-Nitrophenol	<	1	U	UG/L	1	24	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Acenaphthene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Acenaphthylene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Acetone		58		UG/L	6	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Aldrin	<	0.0019	U	UG/L	0.0019	0.047	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	alpha-BHC	<	0.0031	U	UG/L	0.0031	0.047	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	alpha-Chlordane	<	0.0027	U	UG/L	0.0027	0.047	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Anthracene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Aroclor-1016	<	0.13	U	UG/L	0.13	0.95	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Aroclor-1221	<	0.23	U	UG/L	0.23	1.9	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Aroclor-1232	<	0.19	U	UG/L	0.19	0.95	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Aroclor-1242	<	0.48	U	UG/L	0.48	0.95	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Aroclor-1248	<	0.15	U	UG/L	0.15	0.95	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Aroclor-1254	<	0.038	U	UG/L	0.038	0.95	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Aroclor-1260	<	0.14	U	UG/L	0.14	0.95	SOW OLM03.2	Riverbank Seep

Area	LAB ID	SAMPLE ID	Matrix	Sam. Date	An. Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Benzene		4	J	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Benzo(a)anthracene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Benzo(a)pyrene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Benzo(b)fluoranthene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Benzo(g,h,i)perylene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Benzo(k)fluoranthene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	beta-BHC	<	0.0052	U	UG/L	0.0052	0.047	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	bis(2-Chloroethoxy)methane	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	bis(2-Chloroethyl)ether	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	bis(2-Ethylhexyl)phthalate		2	J	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Bromodichloromethane	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Bromoform	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Bromomethane	<	3	U	UG/L	3	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Butylbenzylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Carbazole	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Carbon Disulfide	<	3	U	UG/L	3	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Carbon Tetrachloride	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Chlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Chloroethane	<	3	U	UG/L	3	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Chloroform	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Chloromethane	<	3	U	UG/L	3	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Chrysene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	cis-1,3-Dichloropropene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	delta-BHC	<	0.012	U	UG/L	0.012	0.047	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Di-n-butylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Di-n-octylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Dibenzo(a,h)anthracene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Dibenzofuran	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Dibromochloromethane	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Dieldrin	<	0.014	U	UG/L	0.014	0.095	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Diethylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Dimethylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Endosulfan I	<	0.019	U	UG/L	0.019	0.047	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Endosulfan II	<	0.008	U	UG/L	0.008	0.095	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Endosulfan sulfate	<	0.02	U	UG/L	0.02	0.095	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Endrin	<	0.017	U	UG/L	0.017	0.095	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Endrin aldehyde	<	0.017	U	UG/L	0.017	0.095	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Endrin ketone	<	0.017	U	UG/L	0.017	0.095	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Ethylbenzene	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Fluoranthene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Fluorene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	gamma-BHC (Lindane)	<	0.0026	U	UG/L	0.0026	0.047	SOW OLM03.2	Riverbank Seep

Area	LAB ID	SAMPLE ID	Matrix	Sam Date	An Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	gamma-Chlordane	<	0.0029	U	UG/L	0.0029	0.047	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Heptachlor	<	0.0019	U	UG/L	0.0019	0.047	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Heptachlor epoxide	<	0.0029	U	UG/L	0.0029	0.047	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Hexachlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Hexachlorobutadiene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Hexachlorocyclopentadiene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Hexachloroethane	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Indeno(1,2,3-cd)pyrene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Isophorone	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Methoxychlor	<	0.11	U	UG/L	0.11	0.47	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Methylene Chloride	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	N-Nitroso-di-n-propylamine	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	N-nitrosodiphenylamine	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Naphthalene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Nitrobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Pentachlorophenol	<	2	U	UG/L	2	24	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Phenanthrene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Phenol		19		UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Phenol, 2,3-dimethyl-		5	JX	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Pyrene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Styrene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Tetrachloroethene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Toluene	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/7/97	Toxaphene	<	0.19	U	UG/L	0.19	4.7	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	trans-1,3-Dichloropropene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Trichloroethene		1	J	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Unknown		4	BJ	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/10/97	Unknown		3	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Vinyl Chloride	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809730	SL3	WATER	10/29/97	11/4/97	Xylene (total)	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Aluminum		49.4	B	UG/L	24.1	200	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Antimony		7.8	B	UG/L	3.8	60	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Arsenic		13.1		UG/L	3.9	10	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Barium		605		UG/L	0.18	200	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Beryllium	<	0.13	U	UG/L	0.13	5	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/6/97	Cadmium	<	0.89	U	UG/L	0.89	5	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/6/97	Calcium		4590000		UG/L	315	50000	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Chromium		1.2	B	UG/L	0.68	10	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Cobalt		2.4	B	UG/L	0.62	50	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Copper		3.4	B	UG/L	0.43	25	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/7/97	Cyanide		58.8		UG/L	10	10	ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	10/30/97	Hexavalent Chromium (water)	<	5		UG/L	5	15	SW846-7199	Riverbank Seep

Area	LAB ID	SAMPLE ID	Matrix	Sam Date	An Date	ANALYTE		Result	Qualifier	UNITS	MDL	LoQ	EPA METHOD	Comment
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Iron		71.5	B	UG/L	11.1	100	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Lead	<	2.2	UN	UG/L	2.2	3	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Magnesium		2070	B	UG/L	20.1	5000	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Manganese		240	N	UG/L	0.51	15	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/3/97	Mercury	<	0.018	U	UG/L	0.018	0.2	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Nickel		3.4	B	UG/L	1.1	40	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/6/97	Potassium		78500	E	UG/L	653	50000	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/6/97	Selenium	<	3.1	U	UG/L	3.1	5	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Silver		2	B	UG/L	0.47	10	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/6/97	Sodium		4050000		UG/L	20700	5E+05	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Thallium	<	4	UN	UG/L	4	10	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Vanadium	<	0.64	U	UG/L	0.64	50	SOW ILM04.0	Riverbank Seep
Area 7	2809731	SL3	WATER	10/29/97	11/1/97	Zinc		4.2	B	UG/L	2.6	20	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	1,1,1-Trichloroethane	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	1,1,2,2-Tetrachloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	1,1,2-Trichloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	1,1-Dichloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	1,1-Dichloroethene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	1,2,4-Trichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	1,2-Dichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	1,2-Dichloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	1,2-Dichloroethene (total)	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	1,2-Dichloropropane	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	1,3-Dichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	1,4-Dichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2(3H)-Benzothiazolone		77	JX	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2,2'-oxybis(1-Chloropropane)	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2,4,5-Trichlorophenol	<	1	U	UG/L	1	24	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2,4,6-Trichlorophenol	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2,4-Dichlorophenol	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2,4-Dimethylphenol	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2,4-Dinitrophenol	<	1	U	UG/L	1	24	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2,4-Dinitrotoluene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2,6-Dinitrotoluene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	2-Butanone	<	3	U	UG/L	3	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2-Chloronaphthalene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2-Chlorophenol	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	2-Hexanone	<	7	U	UG/L	7	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2-Methylnaphthalene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2-Methylphenol	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2-Nitroaniline	<	1	U	UG/L	1	24	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	2-Nitrophenol	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep

Area	LAB ID	SAMPLE ID	Matrix	Sam. Date	An. Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	3,3'-Dichlorobenzidine	<	4	U	UG/L	4	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	3-Nitroaniline	<	1	U	UG/L	1	24	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	4,4'-DDD		0.0029	JP	UG/L	0.0028	0.096	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	4,4'-DDE		0.024	JP	UG/L	0.013	0.096	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	4,4'-DDT	<	0.014	U	UG/L	0.014	0.096	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	4,6-Dinitro-2-methylphenol	<	1	U	UG/L	1	24	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	4-Bromophenyl-phenylether	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	4-Chloro-3-methylphenol	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	4-Chloroaniline	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	4-Chlorophenyl-phenylether	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	4-Methyl-2-Pentanone		18		UG/L	5	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	4-Methylphenol	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	4-Nitroaniline	<	2	U	UG/L	2	24	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	4-Nitrophenol	<	1	U	UG/L	1	24	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Acenaphthene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Acenaphthylene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Acetone		24		UG/L	6	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Aldrin		0.003	JP	UG/L	0.0019	0.048	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	alpha-BHC	<	0.0032	U	UG/L	0.0032	0.048	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	alpha-Chlordane	<	0.0027	U	UG/L	0.0027	0.048	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Aluminum		45.3	B	UG/L	24.1	200	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Anthracene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Antimony	<	3.8	U	UG/L	3.8	60	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Aroclor-1016	<	0.14	U	UG/L	0.14	0.96	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Aroclor-1221	<	0.23	U	UG/L	0.23	1.9	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Aroclor-1232	<	0.19	U	UG/L	0.19	0.96	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Aroclor-1242	<	0.49	U	UG/L	0.49	0.96	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Aroclor-1248	<	0.15	U	UG/L	0.15	0.96	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Aroclor-1254	<	0.039	U	UG/L	0.039	0.96	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Aroclor-1260	<	0.14	U	UG/L	0.14	0.96	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Arsenic		4.9	B	UG/L	3.9	10	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Barium		1590		UG/L	0.18	200	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Benzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Benzo(a)anthracene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Benzo(a)pyrene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Benzo(b)fluoranthene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Benzo(g,h,i)perylene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Benzo(k)fluoranthene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Beryllium	<	0.13	U	UG/L	0.13	5	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	beta-BHC	<	0.0053	U	UG/L	0.0053	0.048	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	bis(2-Chloroethoxy)methane	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	bis(2-Chloroethyl)ether	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep

Area	LAB ID	SAMPLE ID	Matrix	Sam Date	An Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	bis(2-Ethylhexyl)phthalate		2	J	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Bromodichloromethane	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Bromoform	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Bromomethane	<	3	U	UG/L	3	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Butylbenzylphthalate		1	J	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/6/97	Cadmium	<	0.89	U	UG/L	0.89	5	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Calcium		125000		UG/L	31.5	5000	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Carbazole	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Carbon Disulfide	<	3	U	UG/L	3	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Carbon Tetrachloride	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Chlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Chloroethane	<	3	U	UG/L	3	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Chloroform	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Chloromethane	<	3	U	UG/L	3	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Chromium		5	B	UG/L	0.68	10	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Chrysene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	cis-1,3-Dichloropropene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Cobalt		5.8	B	UG/L	0.62	50	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Copper		2.4	B	UG/L	0.43	25	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Cyanide		106		UG/L	10	10	ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	delta-BHC	<	0.013	U	UG/L	0.013	0.048	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Di-n-butylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Di-n-octylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Dibenzo(a,h)anthracene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Dibenzofuran	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Dibromochloromethane	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Dieldrin	<	0.014	U	UG/L	0.014	0.096	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Diethylphthalate		2	J	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Dimethylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Endosulfan I	<	0.019	U	UG/L	0.019	0.048	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Endosulfan II		0.013	JP	UG/L	0.0081	0.096	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Endosulfan sulfate	<	0.02	U	UG/L	0.02	0.096	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Endrin	<	0.017	U	UG/L	0.017	0.096	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Endrin aldehyde		0.024	JP	UG/L	0.017	0.096	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Endrin ketone	<	0.017	U	UG/L	0.017	0.096	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Ethylbenzene	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Fluoranthene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Fluorene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	gamma-BHC (Lindane)	<	0.0026	U	UG/L	0.0026	0.048	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	gamma-Chlordane	<	0.003	U	UG/L	0.003	0.048	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Heptachlor	<	0.0019	U	UG/L	0.0019	0.048	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Heptachlor epoxide	<	0.003	U	UG/L	0.003	0.048	SOW OLM03.2	Riverbank Seep

Area	LAB ID	SAMPLE ID	Matrix	Sam Date	An Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Hexachlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Hexachlorobutadiene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Hexachlorocyclopentadiene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Hexachloroethane	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	10/30/97	Hexavalent Chromium (water)	<	5		UG/L	5	15	SW846-7199	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Indeno(1,2,3-cd)pyrene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Iron		150		UG/L	11.1	100	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Isophorone	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Lead	<	2.2	UN	UG/L	2.2	3	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Magnesium		122000		UG/L	20.1	5000	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Manganese		320	N	UG/L	0.51	15	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/3/97	Mercury		0.037	B	UG/L	0.018	0.2	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Methoxychlor	<	0.12	U	UG/L	0.12	0.48	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Methylene Chloride	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	N-Nitroso-di-n-propylamine	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	N-nitrosodiphenylamine	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Naphthalene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Nickel		81.6		UG/L	1.1	40	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Nitrobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Pentachlorophenol	<	2	U	UG/L	2	24	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Phenanthrene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Phenol	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/6/97	Potassium		136000	E	UG/L	1630	1E+05	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Pyrene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/6/97	Selenium		4	B	UG/L	3.1	5	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Silver	<	0.47	U	UG/L	0.47	10	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/19/97	Sodium		626000		UG/L	4140	1E+05	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Styrene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Tetrachloroethene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Thallium	<	4	UN	UG/L	4	10	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Toluene	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/7/97	Toxaphene	<	0.19	U	UG/L	0.19	4.8	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	trans-1,3-Dichloropropene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Trichloroethene	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		28	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		91	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		93	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		130	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		33	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		22	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		32	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		430	J	UG/L			SOW OLM03.2	Riverbank Seep

Area	LAB ID	SAMPLE ID	Matrix	Sam. Date	An. Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		22	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		40	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		44	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		440	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		100	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		32	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		54	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		140	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		67	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		20	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		21	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		22	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		33	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		170	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		92	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		35	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		75	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		19	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		90	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		34	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/10/97	Unknown		20	J	UG/L			SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Vanadium		2.9	B	UG/L	0.64	50	SOW ILM04.0	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Vinyl Chloride	<	2	U	UG/L	2	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/4/97	Xylene (total)	<	1	U	UG/L	1	10	SOW OLM03.2	Riverbank Seep
Area 7	2809732	SL5	WATER	10/29/97	11/1/97	Zinc		6.2	B	UG/L	2.6	20	SOW ILM04.0	Riverbank Seep
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	.alpha.-Aminoisobutanoic aci		2	JX	UG/L			SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	1,1,1-Trichloroethane	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	1,1,2,2-Tetrachloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	1,1,2-Trichloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	1,1-Dichloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	1,1-Dichloroethene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	1,2,4-Trichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	1,2-Dichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	1,2-Dichloroethane	<	2	U	UG/L	2	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	1,2-Dichloroethene (total)	<	2	U	UG/L	2	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	1,2-Dichloropropane	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	1,3-Dichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	1,4-Dichlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2(3H)-Benzothiazolone		7	JX	UG/L			SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2,2'-oxybis(1-Chloropropane)	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2,4,5-Trichlorophenol	<	1	U	UG/L	1	25	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2,4,6-Trichlorophenol	<	1	U	UG/L	1	10	SOW OLM03.2	

Area	LAB ID	SAMPLE ID	Matrix	Sam. Date	An. Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2,4-Dichlorophenol	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2,4-Dimethylphenol	<	2	U	UG/L	2	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2,4-Dinitrophenol	<	1	U	UG/L	1	25	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2,4-Dinitrotoluene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2,6-Dinitrotoluene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	2-Butanone	<	3	U	UG/L	3	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2-Chloronaphthalene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2-Chlorophenol	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	2-Hexanone	<	7	U	UG/L	7	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2-Methylnaphthalene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2-Methylphenol	<	2	U	UG/L	2	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2-Nitroaniline	<	1	U	UG/L	1	25	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	2-Nitrophenol	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	3,3'-Dichlorobenzidine	<	4	U	UG/L	4	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	3-Nitroaniline	<	1	U	UG/L	1	25	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	4,4'-DDD	<	0.0029	U	UG/L	0.0029	0.1	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	4,4'-DDE	<	0.013	U	UG/L	0.013	0.1	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	4,4'-DDT	<	0.015	U	UG/L	0.015	0.1	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	4,6-Dinitro-2-methylphenol	<	1	U	UG/L	1	25	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	4-Bromophenyl-phenylether	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	4-Chloro-3-methylphenol	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	4-Chloroaniline	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	4-Chlorophenyl-phenylether	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	4-Methyl-2-Pentanone	<	5	U	UG/L	5	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	4-Methylphenol	<	2	U	UG/L	2	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	4-Nitroaniline	<	2	U	UG/L	2	25	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	4-Nitrophenol	<	1	U	UG/L	1	25	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Acenaphthene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Acenaphthylene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Acetone	<	6	U	UG/L	6	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	Aldrin	<	0.002	U	UG/L	0.002	0.05	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	alpha-BHC	<	0.0033	U	UG/L	0.0033	0.05	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	alpha-Chlordane	<	0.0028	U	UG/L	0.0028	0.05	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Aluminum		40.1	B	UG/L	24.1	200	SOW ILM04.0	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Anthracene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Antimony	<	3.8	U	UG/L	3.8	60	SOW ILM04.0	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	Aroclor-1016	<	0.14	U	UG/L	0.14	1	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	Aroclor-1221	<	0.24	U	UG/L	0.24	2	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	Aroclor-1232	<	0.2	U	UG/L	0.2	1	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	Aroclor-1242	<	0.51	U	UG/L	0.51	1	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	Aroclor-1248	<	0.16	U	UG/L	0.16	1	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	Aroclor-1254	<	0.04	U	UG/L	0.04	1	SOW OLM03.2	

Area	LAB ID	SAMPLE ID	Matrix	Sam. Date	An. Date	ANALYTE		Result	Qualifier	UNITS	MDL	LOQ	EPA METHOD	Comment
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	Aroclor-1260	<	0.15	U	UG/L	0.15	1	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Arsenic		8.4	B	UG/L	3.9	10	SOW ILM04.0	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Barium		142	B	UG/L	0.18	200	SOW ILM04.0	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Benzene		3	J	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Benzo(a)anthracene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Benzo(a)pyrene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Benzo(b)fluoranthene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Benzo(g,h,i)perylene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Benzo(k)fluoranthene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Beryllium	<	0.13	U	UG/L	0.13	5	SOW ILM04.0	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	beta-BHC	<	0.0055	U	UG/L	0.0055	0.05	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	bis(2-Chloroethoxy)methane	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	bis(2-Chloroethyl)ether	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	bis(2-Ethylhexyl)phthalate		2	J	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Bromodichloromethane	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Bromoform	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Bromomethane	<	3	U	UG/L	3	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Butylbenzylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/14/97	Cadmium	<	0.89	U	UG/L	0.89	5	SOW ILM04.0	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Calcium		387000		UG/L	31.5	5000	SOW ILM04.0	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Carbazole	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Carbon Disulfide	<	3	U	UG/L	3	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Carbon Tetrachloride	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Chlorobenzene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Chloroethane	<	3	U	UG/L	3	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Chloroform	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Chloromethane	<	3	U	UG/L	3	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Chromium	<	0.68	U	UG/L	0.68	10	SOW ILM04.0	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Chrysene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	cis-1,3-Dichloropropene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Cobalt		8.7	B	UG/L	0.62	50	SOW ILM04.0	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Copper		0.96	B	UG/L	0.43	25	SOW ILM04.0	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Cyanide	<	10	U	UG/L	10	10	ILM04.0	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	delta-BHC	<	0.013	U	UG/L	0.013	0.05	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Di-n-butylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Di-n-octylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Dibenzo(a,h)anthracene	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Dibenzofuran	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/30/97	Dibromochloromethane	<	2	U	UG/L	2	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	10/27/97	Dieldrin	<	0.015	U	UG/L	0.015	0.1	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Diethylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	
Area 7	2806092	SW7-2	WATER	10/23/97	11/1/97	Dimethylphthalate	<	1	U	UG/L	1	10	SOW OLM03.2	